

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 09:24:53 ; Search time 7717 Seconds  
(without alignments)  
12162.347 Million cell updates/sec

Title: US-10-015-391A-276  
Perfect score: 3143  
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 27513289 seqs, 14931090276 residues

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0  
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : EST:\*

- 1: em\_estba:\*
- 2: em\_esthum:\*
- 3: em\_estin:\*
- 4: em\_estmu:\*
- 5: em\_estov:\*
- 6: em\_estpl:\*
- 7: em\_estro:\*
- 8: em\_htc:\*
- 9: gb\_est1:\*
- 10: gb\_est2:\*
- 11: gb\_htc:\*
- 12: gb\_est3:\*
- 13: gb\_est4:\*
- 14: gb\_est5:\*
- 15: em\_estfun:\*
- 16: em\_estom:\*
- 17: em\_gss\_hum:\*
- 18: em\_gss\_inv:\*
- 19: em\_gss\_pln:\*
- 20: em\_gss\_vrt:\*
- 21: em\_gss\_fun:\*
- 22: em\_gss\_mam:\*
- 23: em\_gss\_mus:\*
- 24: em\_gss\_pro:\*
- 25: em\_gss\_rod:\*
- 26: em\_gss\_phg:\*
- 27: em\_gss\_vrl:\*

28: gb\_gss1:\*  
29: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result	No.	Score	% Query Match	Length	DB	ID	Description
	1	1874	59.6	2172	29	AY402621	AY402621 Homo sapi
	2	1765.4	56.2	2133	29	AY402622	AY402622 Pan trogl
	3	1747.4	55.6	3206	11	AK077976	AK077976 Mus muscu
	4	1701.4	54.1	3086	11	AK035918	AK035918 Mus muscu
	5	1372.2	43.7	2172	29	AY402623	AY402623 Mus muscu
c	6	950.6	30.2	1114	13	BX367242	BX367242 BX367242
c	7	927.8	29.5	1201	13	BX363741	BX363741 BX363741
c	8	874.4	27.8	922	13	BX350606	BX350606 BX350606
	9	856.6	27.3	926	13	BX328255	BX328255 BX328255
	10	849.2	27.0	1201	13	BX384966	BX384966 BX384966
	11	827.4	26.3	974	13	BQ057192	BQ057192 AGENCOURT
	12	822.2	26.2	960	13	BX390196	BX390196 BX390196
c	13	779.8	24.8	797	14	CB243787	CB243787 UI-CF-FN0
	14	775	24.7	801	13	BX112994	BX112994 BX112994
	15	769.8	24.5	912	13	BQ883972	BQ883972 AGENCOURT
	16	768	24.4	1201	13	BX376660	BX376660 BX376660
	17	757.6	24.1	892	14	CD107028	CD107028 AGENCOURT
	18	748.6	23.8	951	13	BQ056228	BQ056228 AGENCOURT
	19	696.6	22.2	775	9	AU122156	AU122156 AU122156
	20	691.2	22.0	970	13	BQ707628	BQ707628 AGENCOURT
	21	681	21.7	1066	12	BM806752	BM806752 AGENCOURT
	22	673	21.4	1090	13	BX367243	BX367243 BX367243
	23	661.8	21.1	666	12	BG684636	BG684636 602635914
	24	650	20.7	925	13	BQ937439	BQ937439 AGENCOURT
c	25	627.4	20.0	640	14	CA311774	CA311774 UI-CF-FN0
c	26	612	19.5	624	12	BM666780	BM666780 UI-E-CL1-
	27	609.8	19.4	1119	12	BI550650	BI550650 603195823
	28	598.6	19.0	621	10	AW965845	AW965845 EST377918
c	29	598.4	19.0	634	13	BU632880	BU632880 UI-H-FE1-
c	30	594	18.9	618	13	BU686374	BU686374 UI-CF-DU1
	31	585.2	18.6	881	13	BQ960065	BQ960065 AGENCOURT
	32	579.2	18.4	720	14	CA315771	CA315771 UI-M-FW0-
	33	557.8	17.7	796	13	BU052878	BU052878 UI-M-FC0-
	34	552.6	17.6	917	14	CA454892	CA454892 AGENCOURT
	35	552.4	17.6	779	12	BI683727	BI683727 603306287
	36	551.4	17.5	695	12	BG685741	BG685741 602637838
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	38	546.6	17.4	709	13	BQ573544	BQ573544 UI-M-FD0-
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## ALIGNMENTS

RESULT 1  
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 LOCUS AY402621 2172 bp DNA linear GSS 12-DEC-2003  
 DEFINITION Homo sapiens HCM1285 gene, VIRTUAL TRANSCRIPT, partial sequence, genomic survey sequence.  
 ACCESSION AY402621  
 VERSION AY402621.1 GI:39758607  
 KEYWORDS GSS.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 2172)  
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.  
 TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios  
 JOURNAL Science 302 (5652), 1960-1963 (2003)  
 PUBMED 14671302  
 REFERENCE 2 (bases 1 to 2172)  
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.  
 TITLE Direct Submission  
 JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA  
 COMMENT This sequence was made by sequencing genomic exons and ordering them based on alignment.  
 FEATURES  
 source Location/Qualifiers  
 1. .2172  
 /organism="Homo sapiens"  
 /mol\_type="genomic DNA"  
 /db\_xref="taxon:9606"  
 gene <1. .>2172  
 /locus\_tag="HCM1285"  
 ORIGIN  
 Query Match 59.6%; Score 1874; DB 29; Length 2172;  
 Best Local Similarity 86.3%; Pred. No. 0;  
 Matches 1874; Conservative 0; Mismatches 298; Indels 0; Gaps 0;  
 Qy 105 ATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAA 164  
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 Db 1 ATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAA 60  
 Qy 165 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCCATGCCC 224  
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 Db 61 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCCATGCCC 120

Qy	225	AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC	284
Db	121	AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC	180
Qy	285	CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT	344
Db	181	CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT	240
Qy	345	CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATG	404
Db	241	CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATG	300
Qy	405	ATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAAT	464
Db	301	ATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAAT	360
Qy	465	GAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTAC	524
Db	361	GAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTAC	420
Qy	525	ACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTAC	584
Db	421	ACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTAC	480
Qy	585	CTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCC	644
Db	481	CTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCC	540
Qy	645	GCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAAC	704
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Qy	705	TTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACC	764
Db	601	TTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACC	660
Qy	765	GACAACTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACC	824
Db	661	GACAACTTCCTCCGCTGGCTGCATCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	720
Qy	825	CAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTC	884
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Qy	885	CACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAG	944
Db	781	NN	840
Qy	945	AAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCC	1004
Db	841	NN	900
Qy	1005	TTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATC	1064
Db	901	NN	960
Qy	1065	TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124



Db	961	NNNNNNNNNNNNNNNNNNNNNNNGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTTGTGCC	1020	
Qy	1125	TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1184	
Db	1021	TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1080	
Qy	1185	ACTTCACGCTGGACTACTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCA	1244	
Db	1081	ACTTCACGCTGGACTACTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCA	1140	
Qy	1245	GTGGGCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAG	1304	
Db	1141	GTGGGCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAG	1200	
Qy	1305	CAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCA GTG	1364	
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Qy	1425	GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1484	
Db	1321	GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1380	
Qy	1485	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCCAGGGTGCA	1544	
Db	1381	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCCAGGGTGCA	1440	
Qy	1545	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCA ACTGTAGTGTCTAT	1604	
Db	1441	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCA ACTGTAGTGTCTAT	1500	
Qy	1605	GAGAGCTGTGTGGACTGTGTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1664	
Db	1501	GAGAGCTGTGTGGACTGTGTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1560	
Qy	1665	CGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGG	1724	
Db	1561	CGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGG	1620	
Qy	1725	GGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGC	1784	
Db	1621	GGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGC	1680	
Qy	1785	CGCCCGCAAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC	1844	
Db	1681	CGCCCGCAAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC	1740	
Qy	1845	CCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA	1904	
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Db 1801 GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT 1860  
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 Db 1861 CTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTG 1920  
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 Db 1921 GACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCAT 1980  
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# RESULT 2

AY402622

LOCUS AY402622 2133 bp DNA linear GSS 12-DEC-2003

DEFINITION Pan troglodytes HCM1285 gene, VIRTUAL TRANSCRIPT, partial sequence, genomic survey sequence.

ACCESSION AY402622

VERSION AY402622.1 GI:39758608

KEYWORDS GSS.

SOURCE Pan troglodytes (chimpanzee)

ORGANISM Pan troglodytes

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.

REFERENCE 1 (bases 1 to 2133)

AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.

TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous gene trios

JOURNAL Science 302 (5652), 1960-1963 (2003)

PUBMED 14671302

REFERENCE 2 (bases 1 to 2133)

AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A., Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B., Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J., Adams,M.D. and Cargill,M.

TITLE Direct Submission

JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA

COMMENT This sequence was made by sequencing genomic exons and ordering

them based on alignment.

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Best Local Similarity 82.9%; Pred. No. 0;  
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Qy      225 AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC 284
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Qy      465 GAGACACAGTGTTTCAACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTAC 524
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Db      361 GAGACACAGTGTTTCAACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTAC 420

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Qy      705 TTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACC 764
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Qy	885	CACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAG	944
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Qy	945	AAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCC	1004
Db	841	NN	900
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Db	901	NN	960
Qy	1065	TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124
Db	961		1020
Qy	1125	TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1184
Db	1021		1080
Qy	1185	ACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCA	1244
Db	1081		1140
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Qy	1425	GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1484
Db	1321		1380
Qy	1485	CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCA	1544
Db	1381		1440
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Qy	1785	CGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC	1844
Db	1681	CGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCTAACTCCATCCTGGAGNTCCCCTGC	1740
Qy	1845	CCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA	1904
Db	1741	CCCCACCTGTCAGCCTTGGCCTCTTACTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA	1800
Qy	1905	GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT	1964
Db	1801	GCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGT	1860
Qy	1965	CTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCTGTGATCTCCTACTGGGTG	2024
Db	1861	CTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCTGTGATCTCCTACTGGGTG	1920
Qy	2025	GACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCAT	2084
Db	1921	GACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCAT	1980
Qy	2085	GTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTAC	2144
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# RESULT 3

AK077976

LOCUS AK077976 3206 bp mRNA linear HTC 18-SEP-2003

DEFINITION Mus musculus 13 days embryo male testis cDNA, RIKEN full-length enriched library, clone:6030492A12 product:sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, full insert sequence.

ACCESSION AK077976

VERSION AK077976.1 GI:26097602

KEYWORDS HTC; CAP trapper.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1  
AUTHORS Carninci, P. and Hayashizaki, Y.  
TITLE High-efficiency full-length cDNA cloning  
JOURNAL Meth. Enzymol. 303, 19-44 (1999)  
MEDLINE 99279253  
PUBMED 10349636

REFERENCE 2  
AUTHORS Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh, M., Konno, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.  
TITLE Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes  
JOURNAL Genome Res. 10 (10), 1617-1630 (2000)  
MEDLINE 20499374  
PUBMED 11042159

REFERENCE 3  
AUTHORS Shibata, K., Itoh, M., Aizawa, K., Nagaoka, S., Sasaki, N., Carninci, P., Konno, H., Akiyama, J., Nishi, K., Kitsunai, T., Tashiro, H., Itoh, M., Sumi, N., Ishii, Y., Nakamura, S., Hazama, M., Nishine, T., Harada, A., Yamamoto, R., Matsumoto, H., Sakaguchi, S., Ikegami, T., Kashiwagi, K., Fujiwake, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsuura, S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashizaki, Y.  
TITLE RIKEN integrated sequence analysis (RISA) system--384-format sequencing pipeline with 384 multicapillary sequencer  
JOURNAL Genome Res. 10 (11), 1757-1771 (2000)  
MEDLINE 20530913  
PUBMED 11076861

REFERENCE 4  
AUTHORS The RIKEN Genome Exploration Research Group Phase II Team and the FANTOM Consortium.  
TITLE Functional annotation of a full-length mouse cDNA collection  
JOURNAL Nature 409, 685-690 (2001)

REFERENCE 5  
AUTHORS The FANTOM Consortium and the RIKEN Genome Exploration Research Group Phase I & II Team.  
TITLE Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs  
JOURNAL Nature 420, 563-573 (2002)

REFERENCE 6 (bases 1 to 3206)  
AUTHORS Adachi, J., Aizawa, K., Akimura, T., Arakawa, T., Bono, H., Carninci, P., Fukuda, S., Furuno, M., Hanagaki, T., Hara, A., Hashizume, W., Hayashida, K., Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Hori, F., Imotani, K., Ishii, Y., Itoh, M., Kagawa, I., Kasukawa, T., Katoh, H., Kawai, J., Kojima, Y., Kondo, S., Konno, H., Kouda, M., Koya, S., Kurihara, C., Matsuyama, T., Miyazaki, A., Murata, M., Nakamura, M., Nishi, K., Nomura, K., Numazaki, R., Ohno, M., Ohsato, N., Okazaki, Y., Saito, R., Saitoh, H., Sakai, C., Sakai, K., Sakazume, N., Sano, H., Sasaki, D., Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Tagami, M., Tagawa, A., Takahashi, F., Takaku-Akahira, S., Takeda, Y., Tanaka, T., Tomaru, A., Toya, T., Yasunishi, A., Muramatsu, M. and Hayashizaki, Y.  
TITLE Direct Submission  
JOURNAL Submitted (16-APR-2002) Yoshihide Hayashizaki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC),

RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp, URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222, Fax:81-45-503-9216)

COMMENT cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken contributed to prepare mouse tissues. Please visit our web site for further details. URL:http://genome.gsc.riken.go.jp/ URL:http://fantom.gsc.riken.go.jp/.

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#### ORIGIN

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Qy 255 AGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGT 314  
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#### RESULT 4

AK035918

LOCUS AK035918 3086 bp mRNA linear HTC 19-SEP-2003

DEFINITION Mus musculus 16 days neonate cerebellum cDNA, RIKEN full-length enriched library, clone:9630018D15 product:sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, full insert sequence.

ACCESSION AK035918

VERSION AK035918.1 GI:26084904

KEYWORDS HTC; CAP trapper.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

#### REFERENCE 1

AUTHORS Carninci,P. and Hayashizaki,Y.

TITLE High-efficiency full-length cDNA cloning

JOURNAL Meth. Enzymol. 303, 19-44 (1999)

MEDLINE 99279253

PUBMED 10349636

#### REFERENCE 2

AUTHORS Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.

TITLE Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes

JOURNAL Genome Res. 10 (10), 1617-1630 (2000)

MEDLINE 20499374

PUBMED 11042159

#### REFERENCE 3

AUTHORS Shibata,K., Itoh,M., Aizawa,K., Nagaoka,S., Sasaki,N., Carninci,P., Konno,H., Akiyama,J., Nishi,K., Kitsunai,T., Tashiro,H., Itoh,M., Sumi,N., Ishii,Y., Nakamura,S., Hazama,M., Nishine,T., Harada,A., Yamamoto,R., Matsumoto,H., Sakaguchi,S., Ikegami,T., Kashiwagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J.,

Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.  
 TITLE RIKEN integrated sequence analysis (RISA) system--384-format  
 sequencing pipeline with 384 multicapillary sequencer  
 JOURNAL Genome Res. 10 (11), 1757-1771 (2000)  
 MEDLINE 20530913  
 PUBMED 11076861  
 REFERENCE 4  
 AUTHORS The RIKEN Genome Exploration Research Group Phase II Team and the  
 FANTOM Consortium.  
 TITLE Functional annotation of a full-length mouse cDNA collection  
 JOURNAL Nature 409, 685-690 (2001)  
 REFERENCE 5  
 AUTHORS The FANTOM Consortium and the RIKEN Genome Exploration Research  
 Group Phase I & II Team.  
 TITLE Analysis of the mouse transcriptome based on functional annotation  
 of 60,770 full-length cDNAs  
 JOURNAL Nature 420, 563-573 (2002)  
 REFERENCE 6 (bases 1 to 3086)  
 AUTHORS Adachi,J., Aizawa,K., Akimura,T., Arakawa,T., Bono,H., Carninci,P.,  
 Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hashizume,W.,  
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 Muramatsu,M. and Hayashizaki,Y.  
 TITLE Direct Submission  
 JOURNAL Submitted (16-JUL-2001) Yoshihide Hayashizaki, The Institute of  
 Physical and Chemical Research (RIKEN), Laboratory for Genome  
 Exploration Research Group, RIKEN Genomic Sciences Center (GSC),  
 RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,  
 Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp,  
 URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222,  
 Fax:81-45-503-9216)  
 COMMENT cDNA library was prepared and sequenced in Mouse Genome  
 Encyclopedia Project of Genome Exploration Research Group in Riken  
 Genomic Sciences Center and Genome Science Laboratory in RIKEN.  
 Division of Experimental Animal Research in Riken contributed to  
 prepare mouse tissues.  
 Please visit our web site for further details.  
 URL:http://genome.gsc.riken.go.jp/  
 URL:http://fantom.gsc.riken.go.jp/.  
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Qy     290 GGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGA 349
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Qy     470 ACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTG 529
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Qy     567 -----GAAGTTCAAGATTCCTACCTGTTGCCCATCTCGGAG 602
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Qy	723	ATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGG	782
Db	724	ATCCTGATGCGGACACTGGGATCCCAGCCTGTTCTCAAGACTGACATCTTCTTACGCTGG	783
Qy	783	CTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTC	842
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Qy	963	CTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCAC	1022
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Db	1084	CAGTGGCAGGTTGGCGGGACCAGGAGCTCAGCAGTCTGTGCCTTCTCTCTCACGGACATT	1143
Qy	1143	GAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACT	1202
Db	1144	GAGCGAGTCTTTAAAGGGAAGTACAAGGAGCTGAACAAGGAGACCTCCCGCTGGACCACT	1203
Qy	1203	TATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGAT	1262
Db	1204	TACCGGGGCTCAGAGGTCAGCCCCAGGCCAGGCAGTTGCTCCATGGGCCCCCTCCTCTGAC	1263
Qy	1263	AAGGCCCTGACCTTCATGAAGGACCATTTCTTGATGGATGAGCAAGTGGTGGGGACGCCC	1322
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Db	1324	CTGCTGGTGAAGTCTGGTGTGGAGTACACACGGCTTGCTGTGGAGTCAGCTCGGGGCCTT	1383
Qy	1383	GATGGGCACAGCCATCTTGTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCT	1442
Db	1384	GATGGGAGCAGCCATGTGGTGTATCTGGGTACCTCCACGGGGTCCCTGCACAAGGCT	1443
Qy	1443	GTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACCCT	1502

Db	1444		GTGGTGCCTCAGGACAGCAGTGCTTATCTCGTGGAGGAGATTGAGCTGAGCCCTGACTCT	1503
Qy	1503		GAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCA	1562
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Qy	2043		CTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGACC	2102
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Qy	2103		AGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCACT	2162
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 SOURCE Mus musculus (house mouse)  
 ORGANISM Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
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 REFERENCE 1 (bases 1 to 2172)  
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A.,  
 Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B.,  
 Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J.,  
 Adams,M.D. and Cargill,M.  
 TITLE Inferring nonneutral evolution from human-chimp-mouse orthologous  
 gene trios  
 JOURNAL Science 302 (5652), 1960-1963 (2003)  
 PUBMED 14671302  
 REFERENCE 2 (bases 1 to 2172)  
 AUTHORS Clark,A.G., Glanowski,S., Nielson,R., Thomas,P., Kejariwal,A.,  
 Todd,M.A., Tanenbaum,D.M., Civello,D.R., Lu,F., Murphy,B.,  
 Ferriera,S., Wang,G., Zheng,X.H., White,T.J., Sninsky,J.J.,  
 Adams,M.D. and Cargill,M.  
 TITLE Direct Submission  
 JOURNAL Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive,  
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Qy	1545	GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTAT	1604
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Qy	1785	CGCCCGCAAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGC	1844
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# ORIGIN

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Query Match          30.2%;  Score 950.6;  DB 13;  Length 1114;
Best Local Similarity 94.8%;  Pred. No. 1.7e-220;
Matches 996;  Conservative 24;  Mismatches 27;  Indels 4;  Gaps 4;

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Qy      2251 TTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACC 2310
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Qy      2491 CCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTG 2550
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Db      637 CCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATMACTGATVACACTCAGCAGGGTG 578

Qy      2551 ATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAA 2610
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Db      577 ATGAACAGCAGTCTGCCTCCCCTATGGAACCTCCCTTCTACCAAGCACATGAGCTCTCTAA 518

Qy      2611 CAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGAT 2670
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      517 CAGGGTGGGGGCTACCCCCAGACCTGCTCCTAAACTGATATTGAAGAACCTGGAGAGGAT 458

Qy      2671 CCTTCAGTTCTGGCCATTCCAGGGACCTCCAGAAACACAGTGTTTCAAGAGACCCATAAA 2730
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Db	457	CCTTCAGTTCTCGGCCATTCCAGGGACCCCTCCAGAAACACAGTGTTC	398
Qy	2731	AAACCTGCCTGTCCCAGGACCCCTATGGTAATGAACACCAAACATCTAAACAATCATATGC	2790
Db	397	AAACCTGCMTGTCCCAGGACCCCTATGGTAATGAACACCAAACATCTAAAAAATAATATGC	338
Qy	2791	TAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCT	2850
Db	337	TAAMATGCAACTCCTGGAAACTCMAMTCTGAAGCTGCCGCTTTGAAMACCAAAACTCCCT	278
Qy	2851	TCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCT	2910
Db	277	TCTCCCAGGGTCATGMAGGGATCTGCTCCCTCCTGCTTCCCTTACMAGTCGTGMACAGCT	218
Qy	2911	GACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTTCCTTCTTGCTTCAGTTGGGGCAG	2970
Db	217	AACTCCCAGGAAGTCTTCCCTGAAGTCTGACCACCTTTCNTCTAGCTTAAGTTGGRGAAA	158
Qy	2971	ACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTT	3030
Db	157	ACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATNTGAGCCTTCTTAACTCCTT	98
Qy	3031	TACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTGAGAAA	3090
Db	97	TACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTGAGAAA	38
Qy	3091	ACTGCTTGTCAGAGACTGTTTATTTTTTATT	3121
Db	37	ACTGCTTGTCAGAGACTGTTTCBYTTTTCTT	7

http://fulllength.invitrogen.com/ InVitroGen Corporation 1600  
Faraday Avenue Genoscope sequence ID : CS0DL005AB09NP1.

FEATURES  
source

Location/Qualifiers

1. .1201  
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/clone="CS0DL005YC17"  
/cell\_type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"  
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25-NORMALIZED"  
/note="1st strand cDNA was primed with a NotI-oligo(dT)  
primer. Five prime end enriched, double-strand cDNA was  
digested with Not I and cloned into the Not I and EcoR V  
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 29.5%; Score 927.8; DB 13; Length 1201;  
Best Local Similarity 95.4%; Pred. No. 6.6e-215;  
Matches 1001; Conservative 16; Mismatches 24; Indels 8; Gaps 6;

Qy	2058	GAAC	TGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGG	2117
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Db	1042	GATCTGAATGGCAGCATCCCCCGGGAGMWGKGARGTCCCGTTGACC-RGGTCAGTGGTGGG	984	
Qy	2118	GCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTT	2177	
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Db	983	--CCGCCCTGGYGCCAGCAGTCCWAYTG--CCCCATTTGTCACTGTCACTGTCTCTTT	928	
Qy	2178	GCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCCTCCCCATTGAGAGCACTCCGG	2237	
Db	927	GCCTTAGTGCTTTTCA-GAGCCCTCATCATCCTCGT-GCCTCCCCATTGAGAGCACTCCGG	870	
Qy	2238	GCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGC	2297	
Db	869	GCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGC	810	
Qy	2298	AGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCT	2357	
Db	809	AGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCT	750	
Qy	2358	GACAACAACCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGT	2417	
Db	749	GACAACAACCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGT	690	
Qy	2418	GCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCA	2477	
Db	689	GCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCA	630	
Qy	2478	GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC	2537	
Db	629	GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC	570	
Qy	2538	ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCTATGGGACTCCCTTCTACCAAGCAC	2597	
Db	569	ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCTATGGGACTCCCTTCTACCAAGCAC	510	

Qy 2598 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGA 2657  
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 Db 509 ATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGA 450  
 Qy 2658 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 2717  
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 Db 449 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 390  
 Qy 2718 AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 2777  
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 Db 389 AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 330  
 Qy 2778 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 2837  
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 Db 329 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 270  
 Qy 2838 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 2897  
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 Db 269 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 210  
 Qy 2898 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTTCTTCTTGCT 2957  
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 Db 209 GTCGTGCACCGCTGACTYCCAGGAAGTCTTCCCTGAAKTCTGACCACCTTTCTTCTTGCT 150  
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 Db 149 TCAGTTGGGGCAGAYTYTGATCCCTTCTGCCCTGGYAGAATGGTCAGGGGTAATCTGAGC 90  
 Qy 3017 CTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCTTTGTT 3076  
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 Db 89 CTTCTTCACTCCTTTACCCTAGCTGACCCCTTCMCCTCTCCCBTSSCTTTTCTTTGTT 30  
 Qy 3077 TTGGGATTCAGAAAACCTGCTTGTCAGAGA 3105  
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 Db 29 TTGGGATTCAGAAAACCTGCTTGTCAGAKA 1

# RESULT 8

BX350606/c

LOCUS BX350606 922 bp mRNA linear EST 05-MAY-2003

DEFINITION BX350606 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED  
 Homo sapiens cDNA clone CS0DL005YC17 3-PRIME, mRNA sequence.

ACCESSION BX350606

VERSION BX350606.1 GI:30373499

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 922)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France



Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr  
 Library was constructed by Life Technologies, a division of  
 Invitrogen. This sequence belongs to sequence cluster 907.f For  
 more information about this cluster, see  
[http://www.genoscope.cns.fr/  
 cgi-bin/cluster.cgi?seq=CS0BAI043ZD06\\_CS04076\\_1&cluster=907.f](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0BAI043ZD06_CS04076_1&cluster=907.f).  
 Contact : Feng Liang Email : fliang@lifetech.com URL :  
<http://fulllength.invitrogen.com/> InVitroGen Corporation 1600  
 Faraday Avenue Genoscope sequence ID : CS0BAI043ZD06\_CS04076\_1.

FEATURES	Location/Qualifiers
source	1. .922
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	/clone="CS0DL005YC17"
	/cell_type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
	/cell_line="RAMOS CELL LINE"
	/clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
	/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

# ORIGIN

Query Match 27.8%; Score 874.4; DB 13; Length 922;  
 Best Local Similarity 98.7%; Pred. No. 6.3e-202;  
 Matches 878; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy	1372	CCCAGGGCCTTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCAACAGGGTCGC	1431
Db	919	CCCAGGNCCTTGATGGGCACAGCCATCTTGTTCATGTACTTGGGAACCAACAGGGTCGC	860
Qy	1432	TCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGT	1491
Db	859	TCCACAAGACTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGT	800
Qy	1492	TCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCACTGTTTG	1551
Db	799	TCCCTGACCCTGANCTGTTGCAACCTGCAGCTGGCCNCCACCAAGGGTGCACTGTTGN	740
Qy	1552	TAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCT	1611
Db	739	TAGGCTTCTCAGNAGGTGTCTGGAGGGTGCNCCGAGCCAACCTGTAGTGTCTATGAGAGCT	680
Qy	1612	GTGTGGACTGTGTCCTTGCCCGGGACCCCACTGTGCCTGGGACCCTGAGTCCCGAACCT	1671
Db	679	GTGTGGACTGTGTCCTTGCCCGGGACCCCACTGTGCCTGGGACCCTGAGTCCCGAACCT	620
Qy	1672	GTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACC	1731
Db	619	GTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACC	560
Qy	1732	CAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGC	1791
Db	559	CAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGC	500

Qy 1792 AAATCATTAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACC 1851  
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 Db 499 AAATCATTAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCCACC 440  
 Qy 1852 TGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTT 1911  
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 Db 439 TGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTT 380  
 Qy 1912 CCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACC 1971  
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 Db 379 CCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACC 320  
 Qy 1972 AGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCC 2031  
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 Db 319 AGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCC 260  
 Qy 2032 AGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGG 2091  
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 Db 259 AGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGG 200  
 Qy 2092 TCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCC 2151  
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 Db 199 TCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCC 140  
 Qy 2152 ACTTTGTCACTGTCACTGTCCCTCTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCG 2211  
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 Db 139 ACTTTGTCACTGTCACTGTCCCTCTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCG 80  
 Qy 2212 TGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGT 2261  
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 Db 79 TGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGT 30

# RESULT 9

BX328255

LOCUS BX328255 926 bp mRNA linear EST 01-MAY-2003  
 DEFINITION BX328255 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED  
 Homo sapiens cDNA clone CS0DL005YC17 5-PRIME, mRNA sequence.

ACCESSION BX328255

VERSION BX328255.1 GI:30307730

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 926)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of  
 Invitrogen. This sequence belongs to sequence cluster 907.f For  
 more information about this cluster, see

[http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0BAG053ZH06\\_C](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0BAG053ZH06_C)

S05040\_1&cluster=907.f. Contact : Feng Liang Email :  
 fliang@lifetech.com URL : http://fulllength.invitrogen.com/  
 InVitroGen Corporation 1600 Faraday Avenue Genoscope sequence ID :  
 CS0BAG053ZH06 CS05040\_1.

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 /clone\_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT  
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 digested with Not I and cloned into the Not I and EcoR V  
 sites of the pCMVSPORT 6 vector. Library was normalized."

# ORIGIN

Query Match 27.3%; Score 856.6; DB 13; Length 926;  
 Best Local Similarity 98.1%; Pred. No. 1.4e-197;  
 Matches 909; Conservative 0; Mismatches 14; Indels 4; Gaps 4;

Qy	805	TGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGG-AGACAGCCAGCGAG	863
Db	1	TGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAAGACAGCCAGCGAG	60
Qy	864	TTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTG	923
Db	61	TTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTG	120
Qy	924	GGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGC	983
Db	121	GGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGC	180
Qy	984	ACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTCCCCGCCGAT	1043
Db	181	ACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTCCCCGCCGAT	240
Qy	1044	TCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTTGGCGGGACC	1103
Db	241	TCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTTGGCGGGACC	300
Qy	1104	AGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAA	1163
Db	301	AGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAA	360
Qy	1164	TACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAAC	1223
Db	361	TACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAAC	420
Qy	1224	CCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAG	1283
Db	421	CCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAG	480
Qy	1284	GACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTG	1343

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Db      481  |||||||||||||||||||||||||||||||||||||||||||||||||||||||| 540
          GACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTG
Qy      1344 GAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTC 1403
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Db      541  GAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTC 600
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Qy      1404 ATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGT 1463
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Db      601  ATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGT 660
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Qy      1464 GCTCATCTGGTGGGAAGAGATTCACTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAG 1523
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Db      661  GCTCATCTGGTGGGAAGAGATTCACTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAG 720
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Qy      1524 CTGGCCCCCACCAGGGTGCA-GTGTGGTAGGCTTCTCAGGAGGTGTCTGG-AGGGTGC 1581
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Db      721  CTGGCCCCCACCAGGTGCANGTGTGGTAGGCTTCTCAGGAGGTGTCTGGNAGGGTGC 780
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Qy      1582 CCCGAGCCAACGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCC 1641
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Db      781  CCCGAGCCAACGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCC 840
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Qy      1642 ACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACT 1701
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Db      841  -CTGTGCCTGGGACCCTGAGTCCCGACCCTGTTGCCTTCTGTCTGCCCCAACCTTGACT 899
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Qy      1702 CCTGGAAGCAGGACATGGAGCGGGGGA 1728
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Db      900  CCTTGAAGCAGACATGGAGCGGGGAA 926
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# RESULT 10

BX384966

LOCUS BX384966 1201 bp mRNA linear EST 08-MAY-2003

DEFINITION BX384966 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED  
Homo sapiens cDNA clone CS0DL005YC17 5-PRIME, mRNA sequence.

ACCESSION BX384966

VERSION BX384966.1 GI:30436505

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1201)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of

Invitrogen. This sequence belongs to sequence cluster 907.f For

more information about this cluster, see

<http://www.genoscope.cns.fr/>

[cgi-bin/cluster.cgi?seq=CS0DL005AB09QP1&cluster=907.f](http://www.genoscope.cns.fr/cgi-bin/cluster.cgi?seq=CS0DL005AB09QP1&cluster=907.f). Contact :

Feng Liang Email : fliang@lifetech.com URL :  
 http://fulllength.invitrogen.com/ InVitroGen Corporation 1600  
 Faraday Avenue Genoscope sequence ID : CS0DL005AB09QP1.

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FEATURES
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                  /cell_line="RAMOS CELL LINE"
                  /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
                  25-NORMALIZED"
                  /note="1st strand cDNA was primed with a NotI-oligo(dT)
                  primer. Five prime end enriched, double-strand cDNA was
                  digested with Not I and cloned into the Not I and EcoR V
                  sites of the pCMVSPORT 6 vector. Library was normalized."

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# ORIGIN

Query Match 27.0%; Score 849.2; DB 13; Length 1201;  
 Best Local Similarity 97.0%; Pred. No. 1e-195;  
 Matches 871; Conservative 4; Mismatches 22; Indels 1; Gaps 1;

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Db      68 CTGAGCATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTC 127

Qy     159 TTCCAAC TGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCC 218
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Db     128 TTCCAAC TGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCC 187

Qy     219 ATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTCCACCAG 278
         |||
Db     188 ATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTCCACCAG 247

Qy     279 AAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTG 338
         |||
Db     248 AAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTG 307

Qy     339 GGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAG 398
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Db     308 GGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAG 367

Qy     399 AACATGATAACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAG 458
         |||
Db     368 AACATGATAACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAG 427

Qy     459 AGCAATGAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCAT 518
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Db     428 AGCAATGAGACACAGTGTTTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCAT 487

Qy     519 CTCTACACCTGCGGCACCTTCGCCCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGAT 578
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Db     488 CTCTACACCTGCGGCACCTTCGCCCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGAT 547

Qy     579 TCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTT 638
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Db      548 TCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTT 607
Qy      639 GACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATG 698
        |||
Db      608 GACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATG 667
Qy      699 AACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTC 758
        |||
Db      668 AACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTC 727
Qy      759 AAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCT 818
        |||
Db      728 AAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCT 787
Qy      819 TCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAG 878
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Db      788 TCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAG 847
Qy      879 AGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG 938
        |||
Db      848 AGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCG-AAARCTG 906
Qy      939 CTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGC 996
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Db      907 CTGCAGAAGAAGTGGACCMCTCCTGAAGCCCACYGCYCTCMCCAGCCCGGGGCACTGC 964

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RESULT 11

BQ057192

LOCUS BQ057192 974 bp mRNA linear EST 29-MAR-2002

DEFINITION AGENCOURT\_6769628 NIH\_MGC\_99 Homo sapiens cDNA clone IMAGE:5812383  
5', mRNA sequence.

ACCESSION BQ057192

VERSION BQ057192.1 GI:19816532

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 974)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)

COMMENT Contact: Robert Strausberg, Ph.D.

Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)

Tissue Procurement: Lou Staudt

cDNA Library Preparation: Rubin Laboratory

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution: MGC clone distribution information can be  
found through the I.M.A.G.E. Consortium/LLNL at:

<http://image.llnl.gov>

Plate: LLCM2062 row: 1 column: 16

High quality sequence stop: 714.

FEATURES

source

Location/Qualifiers

1..974

/organism="Homo sapiens"

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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5812383"
/tissue_type="lymphoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_99"
/note="Organ: lymph; Vector: pOTB7; Site_1: XhoI; Site_2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCACGAG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NIH_MGC
Library."

```

# ORIGIN

```

Query Match          26.3%;  Score 827.4;  DB 13;  Length 974;
Best Local Similarity 92.6%;  Pred. No. 1.9e-190;
Matches 902;  Conservative 0;  Mismatches 67;  Indels 5;  Gaps 3;

Qy      92 TCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCGCTGGACCCCTGGAGCCTCCTGGGCGCT 151
      |||
Db      1 TCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCGCTGGACCCCTGGAGCCTCCTGGGCGCT 60

Qy     152 TTTCCCTCTTCCAACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCA 211
      |||
Db      61 TTTCCCTCTTCCAACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCA 120

Qy     212 GGGGCCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTT 271
      |||
Db     121 GGGGCCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTT 180

Qy     272 CCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCT 331
      |||
Db     181 CCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCT 240

Qy     332 CTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAG 391
      |||
Db     241 CTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAG 300

Qy     392 GCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAA 451
      |||
Db     301 GCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAA 360

Qy     452 GAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAATGT 511
      |||
Db     361 GAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAATGT 420

Qy     512 CACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACT 571
      |||
Db     421 CACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACT 480

Qy     572 TCAAGATTCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAG 631
      |||
Db     481 TCAAGATTCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAG 540

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Qy 632 CCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGG 691  
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 Db 541 CCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGG 600  
 Qy 692 TACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCC 751  
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 Db 601 TACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCC 660  
 Qy 752 TGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGC 811  
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 Db 661 TGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGC 720  
 Qy 812 CATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTT 871  
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 Db 721 CATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTT 780  
 Qy 872 CTTTGAGAGGCTCCACACATCGCGGGTGG-CTAGAGTCTGCAAGAATGACGTGGGC-GGC 929  
 |||  
 Db 781 CTTTGAGAGGCCCCACCTCCCGGGGGGCTANAGTCTGCCAAAATGACGTGGGCGGGC 840  
 Qy 930 GAAAAGCTGCTGCAGAAGAA---GTGGACCACCTTCCTGAAGGCCCAGCTGCTCTGCACC 986  
 |||  
 Db 841 GAAAAGCTGCTGCAAAAAAAGTGACCCCCCTTCCTGAAGGCCCAGCTGCTCTGGCCC 900  
 Qy 987 CAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCT 1046  
 | | || | | | | | | | | | | | | | | |  
 Db 901 CCAGCCGGGGGAGCTTGCCCTTTCACGTCATTCCCGCCCCGGGGTCTGGCTCCCCC 960  
 Qy 1047 CCCACAGCTCCCCA 1060  
 || | |||||  
 Db 961 CCGAATTTTCCCCA 974

# RESULT 12

BX390196

LOCUS BX390196 960 bp mRNA linear EST 08-MAY-2003

DEFINITION BX390196 Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED Homo sapiens cDNA clone CS0DD003YE08 5-PRIME, mRNA sequence.

ACCESSION BX390196

VERSION BX390196.1 GI:30463276

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 960)

AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT Contact: Genoscope

Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 907.f For more information about this cluster, see

http://www.genoscope.cns.fr/



cgi-bin/cluster.cgi?seq=CS0BAG009ZD12\_CS00860\_1&cluster=907.f.  
Contact : Feng Liang Email : fliang@lifetech.com URL :  
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600  
Faraday Avenue Genoscope sequence ID : CS0BAG009ZD12\_CS00860\_1.

FEATURES  
source Location/Qualifiers  
1. .960  
/organism="Homo sapiens"  
/mol\_type="mRNA"  
/db\_xref="taxon:9606"  
/clone="CS0DD003YE08"  
/tissue\_type="NEUROBLASTOMA COT 50-NORMALIZED"  
/clone\_lib="Homo sapiens NEUROBLASTOMA COT 50-NORMALIZED"  
/note="1st strand cDNA was primed with a NotI-oligo(dT)  
primer. Five prime end enriched, double-strand cDNA was  
digested with Not I and cloned into the Not I and EcoR V  
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 26.2%; Score 822.2; DB 13; Length 960;  
Best Local Similarity 97.2%; Pred. No. 3.6e-189;  
Matches 900; Conservative 0; Mismatches 19; Indels 7; Gaps 6;

Qy	1530	CCCACCCAGGGTGCAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCC	1589
Db	10	CCCCACCAGGGTGCAGTGTGTTGTAGGCTTCT-AGGAGGTGTCTGGAGGGTGCCCCGAGCC	68
Qy	1590	AACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGACCCCCACTGTGCC	1649
Db	69	AACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGACCCCCACTGTGCC	128
Qy	1650	TGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAG	1709
Db	129	TGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAG	188
Qy	1710	CAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGC	1769
Db	189	CAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGC	248
Qy	1770	CTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCCAACTCCATC	1829
Db	249	CTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGAAGTCTGGCTGTCCCTAACTCCATC	308
Qy	1830	CTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCA	1889
Db	309	CTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCA	368
Qy	1890	GCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAG	1949
Db	369	GCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAG	428
Qy	1950	GATGGAGTTGGGGGTCTCTACCAAGTGTGGGCAACTGAGAATGGCTTTTCATACCCTGTG	2009
Db	429	GATGGAGTTGGGGGTCTCTACCAAGTGTGGGCAACTGAGAATGGCTTTTCATACCCTGTG	488
Qy	2010	ATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACCTGGCAGGC	2069
Db	489	ATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACCTGGCAGGC	548

Qy 2070 ATCCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCT 2129  
 |||||  
 Db 549 ATCCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCT 608  
 Qy 2130 GCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTT 2189  
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 Db 609 GCCCAGCAGTCCTACTGGCCCCACTNTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTT 668  
 Qy 2190 TCAGGAGCCCTCATCATCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAG 2249  
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 Db 669 TCAGGAGCCCTCATCATCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAG 728  
 Qy 2250 GTTC-AGGGCTGTGAGACCCTGCGCCCTGGGG--AGAAGGCCCCGTTAAGCAGAGAGCAA 2306  
 |||||  
 Db 729 GTTCAAGGGCTGTGAGACCCTGCGCCCTGGGGGAGAAGGGCCCCGTTAAGCAGAGAGCAA 788  
 Qy 2307 CA-CCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACG-CTGACAACA 2364  
 || |||  
 Db 789 CACCCCTTCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGGCGCCTGACAACA 848  
 Qy 2365 ACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCA 2424  
 |||||  
 Db 849 ACTGCCTAGGCACTGAGGTAGCTTAAACTCTA-GCACAGCCCCGGGCTTGGGGGCAGCCA 907  
 Qy 2425 CCTGGCCATGCTGGCTGGGCGGCCCA 2450  
 |||||  
 Db 908 CCTGCCCATGCTGTGTGGGCGGCCCA 933

# RESULT 13

CB243787/c

LOCUS CB243787 797 bp mRNA linear EST 12-FEB-2003  
 DEFINITION UI-CF-FN0-agg-a-05-0-UI.s1 UI-CF-FN0 Homo sapiens cDNA clone  
 UI-CF-FN0-agg-a-05-0-UI 3', mRNA sequence.  
 ACCESSION CB243787  
 VERSION CB243787.1 GI:28365431  
 KEYWORDS EST.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 797)  
 AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.  
 TITLE Normalization and subtraction: two approaches to facilitate gene  
 discovery  
 JOURNAL Genome Res. 6 (9), 791-806 (1996)  
 MEDLINE 97044477  
 PUBMED 8889548  
 COMMENT Contact: McCray, PB  
 McCray Lab  
 University of Iowa  
 2024 University of Iowa Med Labs, Iowa City, IA 52242, USA  
 Tel: 319 356 4866  
 Fax: 319 356 7171  
 Email: paul-mccray@uiowa.edu  
 Tissue Procurement: Dr. M. J. Welsh, University of Iowa

cDNA Library preparation: Dr. M. Bento Soares, University of Iowa  
 cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa  
 DNA Sequencing by: Dr. M. Bento Soares, University of Iowa  
 Clone Distribution: Researchers may obtain clones from Research  
 Genetics (www.resgen.com) or from Open Biosystems  
 (www.openbiosystems.com).

The following repetitive elements were found in this cDNA  
 sequence: 1-46, >AT\_rich#Low\_complexity (matched compliment)  
 Seq primer: M13 FORWARD  
 POLYA=Yes.

FEATURES                      Location/Qualifiers  
     source                    1. .797  
                               /organism="Homo sapiens"  
                               /mol\_type="mRNA"  
                               /db\_xref="taxon:9606"  
                               /clone="UI-CF-FN0-agg-a-05-0-UI"  
                               /tissue\_type="Human Lung Epithelial cells"  
                               /lab\_host="DH10B (Life Technologies) (T1 phage resistant)"  
                               /clone\_lib="UI-CF-FN0"  
                               /note="Organ: Lung; Vector: pT7T3-Pac (Pharmacia) with a  
                               modified polylinker; Site\_1: EcoR I; Site\_2: Not I;  
                               UI-CF-FN0 is a subtracted cDNA library derived from two  
                               normalized Human lung epithelial cell libraries (EN1 and  
                               DU1) The library was subtracted according to according to  
                               Bonaldo, Lennon and Soares, Genome Research, 6:791-806,  
                               1996. For additional information, contact:  
                               bento-soares@uiowa.edu  
                               TAG\_TISSUE=Human Lung Epithelial Cell Lines untreated LPS  
                               6hr to LPS 24h  
                               TAG\_LIB=UI-CF-FN0  
                               TAG\_SEQ=CTGCTCAGGT"

#### ORIGIN

Query Match                      24.8%;    Score 779.8;    DB 14;    Length 797;  
 Best Local Similarity    99.4%;    Pred. No. 7.3e-179;  
 Matches 781;    Conservative    0;    Mismatches    5;    Indels    0;    Gaps    0;

QY	2358	GACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCCGGGGCTGCGGT	2417
Db	797	GACAACAACCTGCNTAGGCACTGAGGTAGCTTAAACTNTAGGCACAGGCCCGGGGCTGCGGT	738
QY	2418	GCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCA	2477
Db	737	GCAGGCACCCGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGANTAGGATGACAGCA	678
QY	2478	GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC	2537
Db	677	GCACAAAAGACCACCTTTCTCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGAC	618
QY	2538	ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCAC	2597
Db	617	ACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCAC	558
QY	2598	ATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCCTACACTGATATTGAAGA	2657
Db	557	ATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCCTACACTGATATTGAAGA	498

Qy 2658 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 2717  
 |||  
 Db 497 ACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTC 438  
 Qy 2718 AAGAGACCCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTA 2777  
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 Db 437 AAGAGACCCCTAAAAAACCTGCCTGTCTAGGACCCTATGGTAATGAACACCAAACATCTA 378  
 Qy 2778 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 2837  
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 Db 377 AACAAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGAAGCTGCCGCTTTGGAC 318  
 Qy 2838 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 2897  
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 Db 317 ACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCA 258  
 Qy 2898 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCT 2957  
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 Db 257 GTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCT 198  
 Qy 2958 TCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCC 3017  
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 Db 197 TCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCC 138  
 Qy 3018 TTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTT 3077  
 |||  
 Db 137 TTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTT 78  
 Qy 3078 TGGGATTTCAGAAAACCTGCTTGTCTAGAGACTGTTTATTTTATTTAAATAAAGGCTTA 3137  
 |||  
 Db 77 TGGGATTTCAGAAAACCTGCTTGTCTAGAGACTGTTTATTTTATTTAAATAAAGGCTTA 18  
 Qy 3138 AAAAAA 3143  
 |||  
 Db 17 AAAAAA 12

RESULT 14

BX112994

LOCUS BX112994 801 bp mRNA linear EST 07-FEB-2003

DEFINITION BX112994 Soares placenta Nb2HP Homo sapiens cDNA clone  
 IMAGp998F02225 ; IMAGE:147841, mRNA sequence.

ACCESSION BX112994

VERSION BX112994.1 GI:27837970

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 801)

AUTHORS Ebert,L., Heil,O., Hennig,S., Neubert,P., Partsch,E., Peters,M.,  
 Radelof,U., Schneider,D. and Korn,B.

TITLE Human UnigeneSet - RZPD3

JOURNAL Unpublished (2003)

COMMENT Contact: Ina Rolfs

RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH  
 Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany

RZPD; IMAGp998F02225.  
 RZPDLIB; I.M.A.G.E. cDNA Clone Collection;  
 Human UnigeneSet - RZPD3 (RZPDLIB No.972)  
<http://www.rzpd.de/CloneCards/cgi-bin/showLib.pl.cgi/response?libNo=972> Contact: Ina Rolfs  
 RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH  
 Heubnerweg 6, D-14059 Berlin, Germany  
 Tel: +49 30 32639 101  
 Fax: +49 30 32639 111  
[www.rzpd.de](http://www.rzpd.de)  
 This clone is available royalty-free from RZPD;  
 contact RZPD ([clone@rzpd.de](mailto:clone@rzpd.de)) for further information. Seq primer:  
 M13r, Primer sequence: TTTCACACAGGAAACAGCTATGAC.

FEATURES	Location/Qualifiers
source	1. .801
	/organism="Homo sapiens"
	/mol_type="mRNA"
	/db_xref="taxon:9606"
	/clone="IMAGp998F02225 ; IMAGE:147841"
	/sex="Female"
	/dev_stage="placenta obtained at birth (full term)"
	/lab_host="DH10B (ampicillin resistant)"
	/clone_lib="Soares placenta Nb2HP"
	/note="Organ: placenta; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGGCCGCGCAGGAATTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo. "

#### ORIGIN

Query Match 24.7%; Score 775; DB 13; Length 801;  
 Best Local Similarity 99.4%; Pred. No. 1.1e-177;  
 Matches 797; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

Qy	2086	TGAAGGTCCC GTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCC CAGCAGTCCTACT	2145
Db	1	TGAAGGTCCC GTTGACC-GGGTCAGTGGTGGGGCCGCCCTGGCTGCC CAGCAGTCCTACT	59
Qy	2146	GGCCCCACTTTGTCACTGTCACTGTCCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCA	2205
Db	60	GGCCCCACTTTGTCACTGTCACTGTCCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCA	119
Qy	2206	TCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGA	2265
Db	120	TCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGA	179
Qy	2266	CCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGG	2325
Db	180	CCCTGCGCCCTGGGGAGAAGGCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGG	239
Qy	2326	AATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAG	2385
Db	240	AATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAG	299

Qy 2386 CTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCG 2445  
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 Db 300 CTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCG 359  
 Qy 2446 GCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAG 2505  
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 Db 360 GCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAG 419  
 Qy 2506 AGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTG 2565  
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 Db 420 AGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTG 479  
 Qy 2566 CCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTAC 2625  
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 Db 480 CCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTAC 539  
 Qy 2626 CCCAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCC 2685  
 |||  
 Db 540 CCCAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCC 599  
 Qy 2686 ATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCC 2745  
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 Db 600 ATTCCAGGGACCCTCCAGAAACACAGTGNTTCAAGAGACCCTAAAAAACCTGCCTGTCCC 659  
 Qy 2746 AGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCT 2805  
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 Db 660 AGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCT 719  
 Qy 2806 GGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATG 2865  
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 Db 720 GGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTNCCAGGGTCATG 779  
 Qy 2866 CA-GGGATCTGCTCCCTCCTGC 2886  
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 Db 780 CAGGGGATCTGCTCCCTNCTGC 801

# RESULT 15

BQ883972

LOCUS BQ883972 912 bp mRNA linear EST 16-AUG-2002  
 DEFINITION AGENCOURT\_8616305 NIH\_MGC\_113 Homo sapiens cDNA clone IMAGE:6302388  
 5', mRNA sequence.

ACCESSION BQ883972

VERSION BQ883972.1 GI:22275980

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 912)

AUTHORS NIH-MGC <http://mgc.nci.nih.gov/>.

TITLE National Institutes of Health, Mammalian Gene Collection (MGC)

JOURNAL Unpublished (1999)

COMMENT Contact: Robert Strausberg, Ph.D.

Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)

Tissue Procurement: Dr. Mark Watson

cDNA Library Preparation: Rubin Laboratory  
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
 DNA Sequencing by: Agencourt Bioscience Corporation  
 Clone distribution: MGC clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
<http://image.llnl.gov>  
 Plate: LCM2519 row: m column: 13  
 High quality sequence stop: 601.

FEATURES                      Location/Qualifiers  
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                                 /organism="Homo sapiens"  
                                 /mol\_type="mRNA"  
                                 /db\_xref="taxon:9606"  
                                 /clone="IMAGE:6302388"  
                                 /lab\_host="DH10B (phage-resistant)"  
                                 /clone\_lib="NIH\_MGC\_113"  
                                 /note="Organ: spleen; Vector: pOTB7; Site\_1: XhoI; Site\_2:  
                                 EcoRI; cDNA made by oligo-dT priming. Directionally cloned  
                                 into EcoRI/XhoI sites using the following 5' adaptor:  
                                 GGCACGAG(G). Library constructed by Ling Hong in the  
                                 laboratory of Gerald M. Rubin (University of California,  
                                 Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and  
                                 Superscript II RT (Life Technologies). Note: this is a  
                                 NIH\_MGC Library."

#### ORIGIN

Query Match                      24.5%;    Score 769.8;    DB 13;    Length 912;  
 Best Local Similarity    96.7%;    Pred. No. 2.2e-176;  
 Matches 840;    Conservative    0;    Mismatches    22;    Indels        7;    Gaps        5;

Qy	1315	GGACGCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCC	1374
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Qy	1375	AGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCC	1434
Db	60	AGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCC	119
Qy	1435	ACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCC	1494
Db	120	ACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCC	179
Qy	1495	CTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAG	1554
Db	180	CTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAG	239
Qy	1555	GCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTG	1614
Db	240	GCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTG	299
Qy	1615	TGGAAGTGTCTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTT	1674
Db	300	TGGAAGTGTCTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTT	359
Qy	1675	GCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAG	1734
Db	360	GCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAG	419

Qy	1735	AGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGCAA	1794
Db	420	AGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGCAA	479
Qy	1795	TCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGT	1854
Db	480	TCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGT	539
Qy	1855	CAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCA	1914
Db	540	CAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCA	599
Qy	1915	CTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCA	1974
Db	600	CTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCA	659
Qy	1975	GCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGG	2034
Db	660	GCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGG	719
Qy	2035	ACCAGACCCT-GGCCCTGGATCCTGAACTGGCAGGCAT-CCCCCGGGAGCATGTGAAGGT	2092
Db	720	AACAGACCCTGGGCCCTGGATCCTGAACTGGGAGGCATCCCCCGGGAGCATGTGAAAGT	779
Qy	2093	CCCGTTGACCAGGGTCAGTGG--TGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCC	2150
Db	780	CCCGTTGACCAGGGTCCATGGGTGGGGCCGCCCTGGCTGCCCCAACAATCCTACTGGCCC	839
Qy	2151	C--ACTTTGTCACTGTCACTGTCCTCTTT	2177
Db	840	CCACTTTGGCCACTGTTACTGGCCCCCTT	868

Search completed: May 13, 2004, 15:34:10  
 Job time : 7730 secs



GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 07:58:58 ; Search time 12062 Seconds  
(without alignments)  
11293.911 Million cell updates/sec

Title: US-10-015-391A-276  
Perfect score: 3143  
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3470272 seqs, 21671516995 residues

Total number of hits satisfying chosen parameters: 6940544

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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1: gb\_ba:\*  
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7: gb\_ph:\*  
8: gb\_pl:\*  
9: gb\_pr:\*  
10: gb\_ro:\*  
11: gb\_sts:\*  
12: gb\_sy:\*  
13: gb\_un:\*  
14: gb\_vi:\*  
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17: em\_hum:\*  
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 40: em\_htgo\_mus:\*  
 41: em\_htgo\_other:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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3	3068.4	97.6	3257	9	BC020974		BC020974 Homo sapi
4	3041.4	96.8	3252	9	AB029394		AB029394 Homo sapi
5	3035.8	96.6	3191	6	BD249136		BD249136 27 human
6	2927.6	93.1	3151	9	HSM807023		BX640891 Homo sapi
7	2682.2	85.3	2981	6	AX746794		AX746794 Sequence
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9	2476.4	78.8	2768	6	AX512887		AX512887 Sequence
c 10	2281	72.6	2281	6	AX528271		AX528271 Sequence
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15	1760	56.0	3159	10	BC025800		BC025800 Mus muscu
16	1727.6	55.0	3046	10	MMRNASEMB		X85991 M.musculus
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c 18	1340	42.6	164179	9	AC007227		AC007227 Homo sapi
19	696.6	22.2	775	6	AX866805		AX866805 Sequence
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c 21	498	15.8	567	6	AX872305		AX872305 Sequence
c 22	498	15.8	567	6	BD152367		BD152367 Primer fo
23	494	15.7	1223	6	AX704742		AX704742 Sequence
24	486.6	15.5	184850	2	AC102388		AC102388 Mus muscu
25	486.6	15.5	249206	2	AC145168		AC145168 Mus muscu
26	470	15.0	988	6	AX430331		AX430331 Sequence
27	439.6	14.0	230635	2	AC128319		AC128319 Rattus no
28	439.6	14.0	246036	2	AC097816		AC097816 Rattus no
29	439.6	14.0	289877	2	AC119762		AC119762 Rattus no
30	327	10.4	2405	6	AX879101		AX879101 Sequence
31	327	10.4	2405	6	BD157650		BD157650 Primer fo
32	327	10.4	2405	9	AK022416		AK022416 Homo sapi
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34	263.6	8.4	3766	6	BD171175	BD171175 Novel gen
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37	263.6	8.4	3781	6	AX376386	AX376386 Sequence
38	263.6	8.4	3781	6	AX697184	AX697184 Sequence
39	263.6	8.4	3781	9	AY358392	AY358392 Homo sapi
40	263.6	8.4	3807	9	AY445887	AY445887 Homo sapi
41	251.6	8.0	3528	9	AK026108	AK026108 Homo sapi
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44	236.6	7.5	2155	6	AX060303	AX060303 Sequence
45	236.6	7.5	2156	6	AX060313	AX060313 Sequence

# ALIGNMENTS

## RESULT 1

AX697208

LOCUS AX697208 3143 bp DNA linear PAT 02-APR-2003

DEFINITION Sequence 276 from Patent WO0078961.

ACCESSION AX697208

VERSION AX697208.1 GI:29498147

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Ferrara,N., Stewart,T.A., Williams,P.M., Baker,K.P., Desnoyers,L.,  
Eaton,D.L., Gao,W.Q., Pan,J., Botstein,D., Fong,S., Goddard,A.,  
Godowski,P.J., Gurney,A.L., Smith,V., Tumas,D., Wood,W.I.,  
Grimaldi,C.J., Hillan,K.J., Paoni,N.F., Roy,M.A. and Watanabe,C.K.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding  
the same

JOURNAL Patent: WO 0078961-A 276 28-DEC-2000;  
Genentech Inc. (US)

FEATURES Location/Qualifiers

source 1. .3143  
/organism="Homo sapiens"  
/mol\_type="unassigned DNA"  
/db\_xref="taxon:9606"

## ORIGIN

Query Match 100.0%; Score 3143; DB 6; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
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Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
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Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180

Db	121		TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACGCTTCAGCTGCTGC	180
Qy	181		TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181		TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
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Qy	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
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Qy	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT	780
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Qy	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
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Qy	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
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Qy	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
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Qy	961		TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020

Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
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Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
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Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
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Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAAGTGTGTTAGGCTTCT	1560
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Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
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Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
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Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
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Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

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Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
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 Db 2701 CAGAAACACAGTGTTCAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA 2760

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 Db 2761 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG 2820

Qy 2821 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC 2880  
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Qy 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940  
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 Db 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940

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 Db 2941 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000

Qy 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060  
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 Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC 3060

Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGAGAGACTGTTTATTTTTTAT 3120  
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Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143  
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 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

## RESULT 2

AY358531

LOCUS AY358531 3143 bp mRNA linear PRI 03-OCT-2003

DEFINITION Homo sapiens clone DNA71166 semaphorin B (UNQ783) mRNA, complete cds.

ACCESSION AY358531

VERSION AY358531.1 GI:37182184

KEYWORDS FLI\_CDNA.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3143)

AUTHORS Clark,H.F., Gurney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J., Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B., Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E., Heldens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S., Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C., Schoenfeld,J., Seshagiri,S., Simmons,L., Singh,J., Smith,V., Stinson,J., Vagts,A., Vandlen,R., Watanabe,C., Wieand,D., Woods,K., Xie,M.H., Yansura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z., Goddard,A., Wood,W.I. and Godowski,P.

TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale Effort to Identify Novel Human Secreted and Transmembrane Proteins:

JOURNAL A Bioinformatics Assessment  
 PUBMED Genome Res. 13 (10), 2265-2270 (2003)  
 REFERENCE 12975309  
 REFERENCE 2 (bases 1 to 3143)  
 AUTHORS Clark,H.F.  
 TITLE Direct Submission  
 JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,  
 Inc., 1 DNA Way, South San Francisco, CA 94080, USA  
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# ORIGIN

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Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
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Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
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Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
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Qy	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
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Db	481	ACTTCATCCGTGTCCTGGTTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
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Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
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Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
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Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
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Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTGTAGGCTTCT	1560
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Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
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Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
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Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
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# RESULT 3

BC020974

LOCUS BC020974 3257 bp mRNA linear PRI 03-OCT-2003

DEFINITION Homo sapiens hypothetical protein FLJ12287 similar to semaphorins, mRNA (cDNA clone MGC:9542 IMAGE:3847802), complete cds.

ACCESSION BC020974

VERSION BC020974.1 GI:18088092

KEYWORDS MGC.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3257)

AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M.,

Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E.,  
 Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.  
 TITLE Generation and initial analysis of more than 15,000 full-length  
 human and mouse cDNA sequences  
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)  
 MEDLINE 22388257  
 PUBMED 12477932  
 REFERENCE 2 (bases 1 to 3257)  
 AUTHORS Strausberg,R.  
 TITLE Direct Submission  
 JOURNAL Submitted (03-JAN-2002) National Institutes of Health, Mammalian  
 Gene Collection (MGC), Cancer Genomics Office, National Cancer  
 Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,  
 USA  
 REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>  
 COMMENT Contact: MGC help desk  
 Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)  
 Tissue Procurement: ATCC  
 cDNA Library Preparation: Life Technologies, Inc.  
 cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)  
 DNA Sequencing by: Sequencing Group at the Stanford Human Genome  
 Center, Stanford University School of Medicine, Stanford, CA 94305  
 Web site: <http://www-shgc.stanford.edu>  
 Contact: (Dickson, Mark) [mcd@paxil.stanford.edu](mailto:mcd@paxil.stanford.edu)  
 Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,  
 R. M.

Clone distribution: MGC clone distribution information can be found  
 through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
 Series: IRAK Plate: 20 Row: i Column: 24  
 This clone was selected for full length sequencing because it  
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# ORIGIN

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Best Local Similarity 100.0%;  Pred. No. 0;
Matches 3069;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

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Db      167 AGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCCTGGACCC 226

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Db      227 CTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCTGCTGCTGCTGCCGACGACGAC 286

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Qy      374 GGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAA 433
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Qy      494 CCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGC 553
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Qy	554	TTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGACAAGGTCAT	613
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Qy	614	GGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGA	673
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Qy	674	TGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCG	733
Db	767	TGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCG	826
Qy	734	CACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCTGGCTGCATCATGA	793
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Qy	794	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	853
Db	887	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	946
Qy	854	AGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	913
Db	947	AGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	1006
Qy	914	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	973
Db	1007	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	1066
Qy	974	GCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCT	1033
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Qy	1034	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1093
Db	1127	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1186
Qy	1094	TGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1153
Db	1187	TGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1246
Qy	1154	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1213
Db	1247	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1306
Qy	1214	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCTCCTCTGATAAGGCCCTGAC	1273
Db	1307	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCTCCTCTGATAAGGCCCTGAC	1366
Qy	1274	CTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1333
Db	1367	CTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1426
Qy	1334	ATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAG	1393
Db	1427	ATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAG	1486

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Qy	1454	GGACAGCAGTGCTCATCTGGTGGAAGAGATT CAGCTGTTCCCTGACCCTGAACCTGTT CG	1513
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Qy	1514	CAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTG	1573
Db	1607	CAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTG	1666
Qy	1574	GAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGCCCCG	1633
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Qy	1634	GGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCCAA	1693
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Qy	1694	CCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1753
Db	1787	CCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1846
Qy	1754	CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTAAAGAAGTCCTGGC	1813
Db	1847	CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTAAAGAAGTCCTGGC	1906
Qy	1814	TGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGT CAGCCTTGGCCTCTTATTA	1873
Db	1907	TGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGT CAGCCTTGGCCTCTTATTA	1966
Qy	1874	TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	1933
Db	1967	TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	2026
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Db	2027	CTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGG	2086
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Qy	2114	TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCT	2173
Db	2207	TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCT	2266
Qy	2174	CTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACT	2233
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Db	2327	 CCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCCGTT	2386
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Qy	2474	AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2533
Db	2567	 AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2626
Qy	2534	TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA	2593
Db	2627	 TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA	2686
Qy	2594	GCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTG	2653
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Qy	2654	AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG	2713
Db	2747	 AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG	2806
Qy	2714	TTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACA	2773
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Qy	2774	TCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGAAGCTGCCGCTTT	2833
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Qy	2834	GGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTT	2893
Db	2927	 GGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTT	2986
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Qy	3014	AGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTT	3073
Db	3107	 AGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTT	3166
Qy	3074	GTTTTGGGATTTCAGAAAACCTGCTTGTGAGAGACTGTTTATTTTTTATTAAAAATATAAGG	3133

Db 3167 GTTTTGGGATTTCAGAAACTGCTTGTCTAGAGACTGTTTATTTTTTTATTAAAAATATAAGG 3226

Qy 3134 CTTAAAAAAA 3143

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Db 3227 CTTAAAAAAA 3236

RESULT 4

AB029394

LOCUS AB029394 3252 bp mRNA linear PRI 06-JAN-2001

DEFINITION Homo sapiens mRNA for SEMB, complete cds.

ACCESSION AB029394

VERSION AB029394.1 GI:12248381

KEYWORDS SEMB.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3252)

AUTHORS Seki,N., Hattori,A., Hayashi,A., Kozuma,S., Muramatsu,M., Miyajima,N. and Saito,T.

TITLE Human semaphorin B

JOURNAL Published Only in DataBase (2001)

REFERENCE 2 (bases 1 to 3252)

AUTHORS Seki,N., Hattori,A., Hayashi,A., Kozuma,S., Muramatsu,M., Miyajima,N. and Saito,T.

TITLE Direct Submission

JOURNAL Submitted (28-JUN-1999) Toshiyuki Saito, National Institute of Radiological Sciences, Genome Research Group; Inage-ku Anagawa 4-9-1, Chiba, Chiba 263-8555, Japan (E-mail:t\_saito@nirs.go.jp, Tel:81-43-201-3135, Fax:81-43-251-9818)

FEATURES Location/Qualifiers

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ORIGIN

Query Match 96.8%; Score 3041.4; DB 9; Length 3252;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 3074; Conservative 0; Mismatches 16; Indels 3; Gaps 2;

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Qy     108 GCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACCTG 167
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Qy     288 CAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGA 347
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Qy     348 GAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATA 407
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Qy	888	ACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAG	947
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Qy	1066	ACGCAGTCTTCACCTCCAGT-GGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124
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Qy	2265	ACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAG	2324
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Qy	2325	GAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAAGTGCCTAGGCACTGAGGTA	2384
Db	2432	GAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAAGTGCCTAGGCACTGAGGTA	2491
Qy	2385	GCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGC	2444
Db	2492	GCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGC	2551
Qy	2445	GGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGA	2504
Db	2552	GGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGA	2611

Qy	2505	GAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCT	2564
Db	2612	GAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCT	2671
Qy	2565	GCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTA	2624
Db	2672	GCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTA	2731
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Qy	2745	CAGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCC	2804
Db	2852	CAGGACCCTATGGTAATGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCC	2911
Qy	2805	TGGAAACTCCACTCTGAAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCAT	2864
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Qy	2865	GCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGT	2924
Db	2972	GCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGT	3031
Qy	2925	CTTTCCTGAAGTCTGACCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTC	2984
Db	3032	CTTTCCTGAAGTCTGACCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTC	3091
Qy	2985	TGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACC	3044
Db	3092	TGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACC	3151
Qy	3045	CCTTCACCTCTCCCCCTCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAG	3104
Db	3152	CCTTCACCTCTCCCCCTCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAG	3211
Qy	3105	ACTGTTTATTTTTTTATTAAAAATATAAGGCTTA	3137
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RESULT 5

BD249136

LOCUS BD249136 3191 bp DNA linear PAT 17-JUL-2003

DEFINITION 27 human secreted proteins.

ACCESSION BD249136

VERSION BD249136.1 GI:33058906

KEYWORDS JP 2002538841-A/10.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3191)

AUTHORS Ruben,S.M., Ni,J., Ebner,R., Rosen,C.A., Shi,Y., Birse,C.,  
 Florence,K., Komatsoulis,G., Lafleur,D.W., Moore,P.A., Olsen,H.S.  
 and Young,P.E.

TITLE 27 human secreted proteins

JOURNAL Patent: JP 2002538841-A 10 19-NOV-2002;  
 HUMAN GENOME SCIENCES INC

COMMENT OS Homo sapiens (human)  
 PN JP 2002538841-A/10  
 PD 19-NOV-2002  
 PF 16-MAR-2000 JP 2000605787  
 PR 18-MAR-1999 US 60/125055  
 PI STEVEN M RUBEN,JIAN NI,REINHARD EBNER,CRAIG  
 A ROSEN,YANGGU SHI,  
 PI CHARLES BIRSE,KIMBERLY FLORENCE,GEORGE KOMATSOULIS,DAVID W PI  
 LAFLEUR,  
 PI PAUL A MOORE,HENRIK S OLSEN,PAUL E YOUNG  
 PC C12N15/09,A61K31/711,A61K38/00,A61K48/00,A61P9/00,A61P17/00,  
 PC A61P19/02,  
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 PC A61P27/02,  
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 FT /organism='Homo sapiens (human)'.  
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FEATURES Location/Qualifiers  
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# ORIGIN

Query Match 96.6%; Score 3035.8; DB 6; Length 3191;  
 Best Local Similarity 99.7%; Pred. No. 0;  
 Matches 3031; Conservative 9; Mismatches 1; Indels 0; Gaps 0;

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Qy 163 AACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGC 222  
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 Db 138 AACTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGC 197

Qy 223 CCAGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGG 282  
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Db	258	GCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGG	317
Qy	343	CTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACA	402
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Qy	403	TGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCA	462
Db	378	TGATACCGTGGCCAGCCAGTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCA	437
Qy	463	ATGAGACACAGTGTTCACCTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCT	522
Db	438	ATGAGACACAGTGTTCACCTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCT	497
Qy	523	ACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCCT	582
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Qy	583	ACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACC	642
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Qy	763	CCGACAACTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGA	822
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Db	798	CCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGC	857
Qy	883	TCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGC	942
Db	858	TCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGC	917
Qy	943	AGAAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGC	1002
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Qy	1003	CCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACA	1062
Db	978	CCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACA	1037
Qy	1063	TCTACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTG	1122
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Db	1098	CCTTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAG	1157
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Db	1158	AAACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCCGGSCAGGCAGTTGCT	1217
Qy	1243	CAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATG	1302
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Db	1218	YARTGGGCCCCCTYCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATG	1277
Qy	1303	AGCAAGTGGTGGGGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAG	1362
Db	1278	AGCAAGTGGTGGGGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAG	1337
Qy	1363	TGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTATGTACCTGGGAACCACCA	1422
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Qy	1423	CAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGA	1482
Db	1398	CAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGA	1457
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Qy	1543	CAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCT	1602
Db	1518	CAGTGTGTTGKAGGCTTCTYAGGAGGTGTCTGRAGGGTGCCCCGAGCCAACTGTAGTGTCT	1577
Qy	1603	ATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGT	1662
Db	1578	ATGAGAGCTGTGTGGACTGTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGT	1637
Qy	1663	CCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGC	1722
Db	1638	CCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGC	1697
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Db	1698	GGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGA	1757
Qy	1783	GCCGCCCCGCAAATCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCT	1842
Db	1758	GCCGCCCCGCAAATCATTAAAGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCT	1817
Qy	1843	GCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCAG	1902
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Qy	1903	AAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGG	1962
Db	1878	AAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGG	1937

Qy	1963	GTCTCTACCAAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGG	2022
Db	1938	GTCTCTACCAAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGG	1997
Qy	2023	TGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGC	2082
Db	1998	TGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGC	2057
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Db	2058	ATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCT	2117
Qy	2143	ACTGGCCCCACTTTGTCACTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCA	2202
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Qy	2203	TCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTG	2262
Db	2178	TCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTG	2237
Qy	2263	AGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCA	2322
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Qy	2323	AGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGG	2382
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Qy	2383	TAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGG	2442
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Qy	2443	GCGGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCT	2502
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Qy	2563	CTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGC	2622
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Qy	2623	TACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTG	2682
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# RESULT 6

HSM807023

LOCUS HSM807023 3151 bp mRNA linear PRI 28-AUG-2003

DEFINITION Homo sapiens mRNA; cDNA DKFZp686D04248 (from clone DKFZp686D04248); complete cds.

ACCESSION BX640891

VERSION BX640891.1 GI:34365195

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3151)

AUTHORS Ottenwaelder,B., Obermaier,B., Deutschenbaur,S., Mewes,H.W., Weil,B., Amid,C., Osanger,A., Fobo,G., Han,M. and Wiemann,S.

CONSRM The German Human cDNA Consortium

TITLE Direct Submission

JOURNAL Submitted (26-AUG-2003) MIPS, Ingolstaedter Landstr.1, D-85764 Neuherberg, GERMANY

COMMENT Clone from S. Wiemann, Molecular Genome Analysis, German Cancer Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de; sequenced by MediGenomix (Martinsried/Germany) within the cDNA sequencing consortium of the German Genome Project. This clone (DKFZp686D04248) is available at the RZPD in Berlin. Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de Further information about the clone and the sequencing project is available at <http://mips.gsf.de/proj/cDNA/>.

## FEATURES

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Db	1700	CCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGA	1759
Qy	1762	GCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTAAGAAGTCCTGGCTGTCCCCA	1821
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Qy	1882	ATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGA	1941
Db	1880	ATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGA	1939
Qy	1942	TAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCAT	2001
Db	1940	TAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCAT	1999
Qy	2002	ACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAAC	2061
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Qy	2062	TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCG	2121
Db	2060	TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCG	2119
Qy	2122	CCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCT	2181
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Qy	2182	TAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTC	2241

Db	2180	 TAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTC	2239
Qy	2242	GGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAG	2301
Db	2240	 GGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAG	2299
Qy	2302	AGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACA	2361
Db	2300	 AGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACA	2359
Qy	2362	ACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAG	2421
Db	2360	 ACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAG	2419
Qy	2422	GCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGACAGCAGCAC	2481
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Qy	2482	AAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTC	2541
Db	2480	 AAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTC	2539
Qy	2542	AGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGA	2601
Db	2540	 AGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAAGCACATGA	2599
Qy	2602	GCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCT	2661
Db	2600	 GCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTGAAGAACCT	2659
Qy	2662	GGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGA	2721
Db	2660	 GGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTGTTTCAAGA	2719
Qy	2722	GACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACA	2781
Db	2720	 GACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAATGAACACCAAACATCTAAACA	2779
Qy	2782	ATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGAAGCTGCCGCTTTGGACACCA	2841
Db	2780	 ATCATATGCTAACATGCCACTCCTGGAACTCCACTCTGAAGCTGCCGCTTTGGACACCA	2839
Qy	2842	ACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCG	2901
Db	2840	 ACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCTCCTGCTTCCCTTACCAGTCG	2899
Qy	2902	TGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCTTCAG	2961
Db	2900	 TGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGACCACCTTCTTCTTGCTTCAG	2959
Qy	2962	TTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCT	3021
Db	2960	 TTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCT	3019
Qy	3022	TCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGG	3081

Db 3020 TCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTGGG 3079

Qy 3082 ATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTATTAAAAATATAAGGCTTAAAAA 3141  
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Db 3080 ATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTATTAAAAATATAAGGCTTAAAAA 3139

Qy 3142 AA 3143  
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Db 3140 AA 3141

# RESULT 7

AX746794

LOCUS AX746794 2981 bp mRNA linear PAT 20-JUN-2003

DEFINITION Sequence 319 from Patent EP1308459.

ACCESSION AX746794

VERSION AX746794.1 GI:32131182

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Isogai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S.,  
 Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,  
 Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and  
 Masuho,Y.

TITLE Full-length cDNA sequences

JOURNAL Patent: EP 1308459-A 319 07-MAY-2003;  
 Helix Research Institute (JP) ; Research Association for  
 Biotechnology (JP)

FEATURES Location/Qualifiers  
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## ORIGIN

Query Match 85.3%; Score 2682.2; DB 6; Length 2981;  
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Db 246 TCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGC 305

Qy 362 CTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG 421  
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Db 306 CTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAG 365

Qy 422 TGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTCAA 481  
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Db 366 TGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAG----- 411



Qy	482	CTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGC	541
Db	412	-----	411
Qy	542	CTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGGA	601
Db	412	-----GAACTTCAAGATTCCTACCTGTTGCCCATCTCGGA	446
Qy	602	GGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGC	661
Db	447	GGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGC	506
Qy	662	TGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCC	721
Db	507	TGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCC	566
Qy	722	CATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTG	781
Db	567	CATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTG	626
Qy	782	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTTCGTCTACTTCTT	841
Db	627	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTTCGTCTACTTCTT	686
Qy	842	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	901
Db	687	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	746
Qy	902	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	961
Db	747	TAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTT	806
Qy	962	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCCA	1021
Db	807	CCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCCA	866
Qy	1022	CGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCTC	1081
Db	867	CGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTACCTC	926
Qy	1082	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	1141
Db	927	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	986
Qy	1142	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1201
Db	987	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1046
Qy	1202	TTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGA	1261
Db	1047	TTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGA	1106
Qy	1262	TAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCC	1321
Db	1107	TAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCC	1166

Qy	1322	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCT	1381
Db	1167	CCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCT	1226
Qy	1382	TGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1441
Db	1227	TGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1286
Qy	1442	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAAGAGATTGAGCTGTTCCCTGACCC	1501
Db	1287	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAAGAGATTGAGCTGTTCCCTGACCC	1346
Qy	1502	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTC	1561
Db	1347	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTC	1406
Qy	1562	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTG	1621
Db	1407	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTG	1466
Qy	1622	TGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCT	1681
Db	1467	TGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCT	1526
Qy	1682	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1741
Db	1527	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1586
Qy	1742	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTAA	1801
Db	1587	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTAA	1646
Qy	1802	AGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTGAGCCTT	1861
Db	1647	AGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTGAGCCTT	1706
Qy	1862	GGCCTCTTATTATTGGAGTCATGGCCCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1921
Db	1707	GGCCTCTTATTATTGGAGTCATGGCCCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1766
Qy	1922	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGGC	1981
Db	1767	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGGC	1826
Qy	1982	AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGAC	2041
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Qy	2042	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGAC	2101
Db	1887	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGAC	1946
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Db	2007	 TGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCC	2066
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Db	2067	 ATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGA	2126
Qy	2282	GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2341
Db	2127	 GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2186
Qy	2342	CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2401
Db	2187	 CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2246
Qy	2402	AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2461
Db	2247	 AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2306
Qy	2462	GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2521
Db	2307	 GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2366
Qy	2522	CTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACT	2581
Db	2367	 CTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACT	2426
Qy	2582	CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCT	2641
Db	2427	 CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCT	2486
Qy	2642	ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2701
Db	2487	 ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2546
Qy	2702	AGAAACACAGTGTTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAAT	2761
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Qy	2762	GAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGA	2821
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Qy	2822	AGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCT	2881
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Qy	2942	CACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGGC	3001
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# RESULT 8

AK091127

LOCUS AK091127 2981 bp mRNA linear PRI 15-JUL-2002

DEFINITION Homo sapiens cDNA FLJ33808 fis, clone CTONG2001749, highly similar to SEMAPHORIN 4A PRECURSOR.

ACCESSION AK091127

VERSION AK091127.1 GI:21749423

KEYWORDS oligo capping; fis (full insert sequence).

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Nishi,T., Ota,T., Nakagawa,S., Senoh,A., Mizuguchi,H., Inagaki,H., Sugiyama,T., Irie,R., Otsuki,T., Sato,H., Wakamatsu,A., Ishii,S., Yamamoto,J., Isono,Y., Kawai-Hio,Y., Saito,K., Nishikawa,T., Kimura,K., Yamashita,H., Matsuo,K., Nakamura,Y., Sekine,M., Kikuchi,H., Kanda,K., Wagatsuma,M., Murakawa,K., Kanehori,K., Takahashi-Fujii,A., Oshima,A., Sugiyama,A., Kawakami,B., Suzuki,Y., Sugano,S., Nagahari,K., Masuho,Y., Nagai,K. and Isogai,T.

TITLE NEDO human cDNA sequencing project

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 2981)

AUTHORS Isogai,T. and Yamamoto,J.

TITLE Direct Submission

JOURNAL Submitted (04-JUL-2002) Takao Isogai, FLJ Project(HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)

COMMENT NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.

FEATURES

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Qy	602	GGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGC	661
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Qy	662	TGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCC	721
Db	507	TGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCC	566
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Qy	782	GCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTT	841
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Qy	842	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	901
Db	687	CTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGC	746
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Qy	1022	CGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTC	1081
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Qy	1082	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	1141
Db	927	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACAT	986
Qy	1142	TGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC	1201
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Qy	1202	TTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCTCCTCTGA	1261
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Db	1227	TGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGC	1286
Qy	1442	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACCC	1501
Db	1287	TGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACCC	1346
Qy	1502	TGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCTC	1561
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Qy	1562	AGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACTG	1621
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Qy	1682	GTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGC	1741
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Qy	1742	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCGCAAATCATTA	1801
Db	1587	ATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCGCAAATCATTA	1646
Qy	1802	AGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTTCAGCCTT	1861
Db	1647	AGAAGTCCTGGCTGTCCCTAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTTCAGCCTT	1706
Qy	1862	GGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1921

Db	1707	 GGCCTCTTATTATTGGAGTCATGGCCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTA	1766
Qy	1922	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGC	1981
Db	1767	CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGC	1826
Qy	1982	AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGAC	2041
Db	1827	AACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGGCAGCCAGGACCAGAC	1886
Qy	2042	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGAC	2101
Db	1887	CCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGAC	1946
Qy	2102	CAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCAC	2161
Db	1947	CAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCAC	2006
Qy	2162	TGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCC	2221
Db	2007	TGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCC	2066
Qy	2222	ATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGA	2281
Db	2067	ATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGA	2126
Qy	2282	GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2341
Db	2127	GAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGC	2186
Qy	2342	CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2401
Db	2187	CAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCAC	2246
Qy	2402	AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2461
Db	2247	AGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCCT	2306
Qy	2462	GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2521
Db	2307	GACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACT	2366
Qy	2522	CTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACT	2581
Db	2367	CTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACT	2426
Qy	2582	CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCCT	2641
Db	2427	CCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCCT	2486
Qy	2642	ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2701
Db	2487	ACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCC	2546
Qy	2702	AGAAACACAGTGTTCCTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAAT	2761

Db 2547 AGAAACACAGTGTTC AAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAAT 2606  
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 Db 2607 GAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTGA 2666  
 Qy 2822 AGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCT 2881  
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 Db 2667 AGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCCT 2726  
 Qy 2882 CCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGAC 2941  
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RESULT 9

AX512887

LOCUS AX512887 2768 bp DNA linear PAT 03-OCT-2002

DEFINITION Sequence 35 from Patent WO02062841.

ACCESSION AX512887

VERSION AX512887.1 GI:23504046

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Tang,T.Y., Yue,H., Gandhi,A.R., Yao,M.G., Warren,B.A., Ding,L.,  
Duggan,B.M., Xu,Y., Yang,J., Thangavelu,K., Lal,P.G.,  
Honchell,C.D., Walia,N.K., Lee,S., Lee,E.A., Richardson,T.W.,  
Baughn,M.R. and Elliott,V.S.

TITLE Secreted proteins

JOURNAL Patent: WO 02062841-A 35 15-AUG-2002;

Incyte Genomics, Inc. (US)

FEATURES

source

Location/Qualifiers

1. .2768

/organism="Homo sapiens"

/mol\_type="unassigned DNA"

/db\_xref="taxon:9606"

/note="Incyte ID No: 7487507CB1"

ORIGIN



Query Match 78.8%; Score 2476.4; DB 6; Length 2768;  
Best Local Similarity 96.5%; Pred. No. 0;  
Matches 2580; Conservative 0; Mismatches 1; Indels 93; Gaps 1;

Qy	74	AGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCCTGGACCC	133
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Qy	134	CTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGCTGCCGACGACGAC	193
Db	229	CTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGCTGCCGACGACGAC	288
Qy	194	CGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACG	253
Db	289	CGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACG	348
Qy	254	TAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAG	313
Db	349	TAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAG	408
Qy	314	TGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCA	373
Db	409	TGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCA	468
Qy	374	GGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAA	433
Db	469	GGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAA	528
Qy	434	GAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTTCATCCGTGT	493
Db	529	GAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTTCATCCGTGT	588
Qy	494	CCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGC	553
Db	589	CCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGC	648
Qy	554	TTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGGAGGACAAGGTCAT	613
Db	649	TTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGGAGGACAAGGTCAT	708
Qy	614	GGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGA	673
Db	709	GGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGA	768
Qy	674	TGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATGCG	733
Db	769	TGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATGCG	828
Qy	734	CACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGA	793
Db	829	CACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGA	888
Qy	794	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	853
Db	889	CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC	948

Qy	854	AGCCAGCGAGTTTGGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	913
Db	949	AGCCAGCGAGTTTGGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA	1008
Qy	914	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	973
Db	1009	GAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCA	1068
Qy	974	GCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTTGCT	1033
Db	1069	GCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTTGCT	1128
Qy	1034	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1093
Db	1129	CCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGT	1188
Qy	1094	TGGCGGGACCCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1153
Db	1189	TGGCGGGACCCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACATTGAACGTGTCTT	1248
Qy	1154	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1213
Db	1249	TAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCC	1308
Qy	1214	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGAC	1273
Db	1309	TGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGAC	1368
Qy	1274	CTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1333
Db	1369	CTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCTGCTGGTGAA	1428
Qy	1334	ATCTGGCGTGGAGTATACACGGCTTGCACTGAGAGACAGCCAGGGCCTTGATGGGCACAG	1393
Db	1429	ATCTGGCGTGGAGTATACACGGCTTGCACTGAGAGACAGCCAGGGCCTTGATGGGCACAG	1488
Qy	1394	CCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGG	1453
Db	1489	CCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGT-----	1539
Qy	1454	GGACAGCAGTGCTCATCTGGTGGAAGAGATTCAGCTGTTCCTGACCCTGAACCTGTTG	1513
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Qy	1514	CAACCTGCAGCTGGCCCCCAGCCAGGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTG	1573
Db	1540	-----GGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTG	1575
Qy	1574	GAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGGCCG	1633
Db	1576	GAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGGCCG	1635
Qy	1634	GGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAA	1693
Db	1636	GGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAA	1695
Qy	1694	CCTGAACCTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1753

Db	1696	 CCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGGCATGTGCCAGTGG	1755
Qy	1754	CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGC	1813
Db	1756	 CCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGC	1815
Qy	1814	TGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTA	1873
Db	1816	 TGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTA	1875
Qy	1874	TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	1933
Db	1876	 TTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCT	1935
Qy	1934	CTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGGCAACTGAGAATGG	1993
Db	1936	 CTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGGCAACTGAGAATGG	1995
Qy	1994	CTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGA	2053
Db	1996	 CTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGA	2055
Qy	2054	TCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGG	2113
Db	2056	 TCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGG	2115
Qy	2114	TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCCT	2173
Db	2116	 TGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGTCACTGTCCT	2175
Qy	2174	CTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACT	2233
Db	2176	 CTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACT	2235
Qy	2234	CCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTT	2293
Db	2236	 CCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTT	2295
Qy	2294	AAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGA	2353
Db	2296	 AAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGA	2355
Qy	2354	CGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTG	2413
Db	2356	 CGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTG	2415
Qy	2414	CGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGAC	2473
Db	2416	 CGGTGCAGGCACCCGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCCTGACTAGGATGAC	2475
Qy	2474	AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2533
Db	2476	 AGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGA	2535
Qy	2534	TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA	2593

Db 2536 TGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCAA 2595

Qy 2594 GCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTG 2653  
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Db 2596 GCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCCTACACTGATATTG 2655

Qy 2654 AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG 2713  
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Db 2656 AAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTCCAGAAACACAGTG 2715

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RESULT 10  
 AX528271/c

LOCUS AX528271 2281 bp DNA linear PAT 21-NOV-2002

DEFINITION Sequence 9 from Patent WO0206339.

ACCESSION AX528271

VERSION AX528271.1 GI:25172573

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Spaderna,S.K., Tchernev,V., Liu,X., Shenoy,S., Spytek,K.,  
 Zerhusen,B., Patturajan,M., Taupier,R.J., Rastelli,L., Grosse,W.M.,  
 Szekeres,E.S., Alsobrook,J.I., Lepley,D.M., Shen,L., Burgess,C.E.,  
 Shimkets,R.A. and Padigaru,M.

TITLE Proteins and nucleic acids encoding same

JOURNAL Patent: WO 0206339-A 9 24-JAN-2002;  
 Curagen Corporation (US)

FEATURES Location/Qualifiers

source 1. .2281  
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ORIGIN

Query Match 72.6%; Score 2281; DB 6; Length 2281;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 2281; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2281 CCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGCTGCC 2222

Qy 185 GACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATGCAGG 244  
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Db 2221 GACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATGCAGG 2162

Qy 245 GGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCT 304  
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Db 2161 GGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCT 2102

Qy	305	GCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTT	364
Db	2101	GCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTT	2042
Qy	365	GGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGA	424
Db	2041	GGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCAGTGA	1982
Qy	425	CAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTT	484
Db	1981	CAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCAACTT	1922
Qy	485	CATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGCCTT	544
Db	1921	CATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCGCCTT	1862
Qy	545	CAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGA	604
Db	1861	CAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGGAGGA	1802
Qy	605	CAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGGCTGT	664
Db	1801	CAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGGCTGT	1742
Qy	665	CTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCAT	724
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Qy	725	CCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCT	784
Db	1681	CCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCT	1622
Qy	785	GCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTT	844
Db	1621	GCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTT	1562
Qy	845	CGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAG	904
Db	1561	CGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAG	1502
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Db	1501	AGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCT	1442
Qy	965	GAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGC	1024
Db	1441	GAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGC	1382
Qy	1025	GGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCA	1084
Db	1381	GGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCA	1322
Qy	1085	GTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACATTGA	1144
Db	1321	GTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACATTGA	1262
Qy	1145	ACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTA	1204

Db	1261	 ACGTGTCCTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTA	1202
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Db	1201	 TAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAA	1142
Qy	1265	GGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCCT	1324
Db	1141	 GGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCCT	1082
Qy	1325	GCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGA	1384
Db	1081	 GCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCCTTGA	1022
Qy	1385	TGGGCACAGCCATCTTGTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGT	1444
Db	1021	 TGGGCACAGCCATCTTGTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGGCTGT	962
Qy	1445	GGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACCCTGA	1504
Db	961	 GGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACCCTGA	902
Qy	1505	ACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGG	1564
Db	901	 ACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCTCAGG	842
Qy	1565	AGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGT	1624
Db	841	 AGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGT	782
Qy	1625	CCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTC	1684
Db	781	 CCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTC	722
Qy	1685	TGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATG	1744
Db	721	 TGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATG	662
Qy	1745	TGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGA	1804
Db	661	 TGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAGA	602
Qy	1805	AGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCTTGGC	1864
Db	601	 AGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCTTGGC	542
Qy	1865	CTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAA	1924
Db	541	 CTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAA	482
Qy	1925	TGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAAC	1984
Db	481	 TGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGGCAAC	422
Qy	1985	TGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCT	2044

Db 421 TGAGAATGGCTTTTCATACCCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCT 362  
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 Db 361 GGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGACCAG 302  
 Qy 2105 GGTCACTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGT 2164  
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 Db 301 GGTCACTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCACTGT 242  
 Qy 2165 CACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATT 2224  
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 Db 241 CACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATT 182  
 Qy 2225 GAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAA 2284  
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 Qy 2405 C 2405  
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 Db 1 C 1

RESULT 11

AX528269

LOCUS AX528269 2271 bp DNA linear PAT 21-NOV-2002

DEFINITION Sequence 7 from Patent WO0206339.

ACCESSION AX528269

VERSION AX528269.1 GI:25172572

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Spaderna,S.K., Tchernev,V., Liu,X., Shenoy,S., Spytek,K.,  
Zerhusen,B., Patturajan,M., Taupier,R.J., Rastelli,L., Grosse,W.M.,  
Szekeres,E.S., Alsobrook,J.I., Lepley,D.M., Shen,L., Burgess,C.E.,  
Shimkets,R.A. and Padigar,M.

TITLE Proteins and nucleic acids encoding same

JOURNAL Patent: WO 0206339-A 7 24-JAN-2002;

Curagen Corporation (US)

FEATURES

source Location/Qualifiers  
 1. .2271  
 /organism="Homo sapiens"  
 /mol\_type="unassigned DNA"  
 /db\_xref="taxon:9606"

ORIGIN

Query Match 70.9%; Score 2228.4; DB 6; Length 2271;  
Best Local Similarity 98.9%; Pred. No. 0;  
Matches 2260; Conservative 0; Mismatches 11; Indels 15; Gaps 1;

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Db       1  ATGGCCCTCCCAGCCCTGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAA 60

Qy      165 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCC 224
          |||
Db       61 CTGCTTCAGCTGCTGCTGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCC 120

Qy      225 AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC 284
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Db      121 AGGGTCAGATACTATGCAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGC 180

Qy      285 CTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCT 344
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Qy      345 CGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATG 404
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Qy      825 CAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTC 884
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Qy      885 CACACATCGCGGGTGGCTAGAGTCTGCAAGAAATGACGTGGGCGGGCGAAAAGCTGCTGCAG 944
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Db	841		AAGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCC	900
Qy	1005		TTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATC	1064
Db	901		TTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATC	960
Qy	1065		TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1124
Db	961		TACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCC	1020
Qy	1125		TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1184
Db	1021		TTCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAA	1080
Qy	1185		ACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCA	1244
Db	1081		ACTTCACGCTGGACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCA	1140
Qy	1245		GTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAG	1304
Db	1141		GTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAG	1200
Qy	1305		CAAGTGGTGGGGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTG	1364
Db	1201		CAAGTGGTGGGGACGCCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTG	1260
Qy	1365		GAGACAGCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACA	1424
Db	1261		GAGACAGCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAGTACA	1320
Qy	1425		GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1484
Db	1321		GGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATT	1380
Qy	1485		CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCA	1544
Db	1381		CAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCA	1440
Qy	1545		GTGTTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTAT	1604
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Qy	1605		GAGAGCTGTGTGGACTGTGTCTTGTCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1664
Db	1501		GAGAGCTGTGTGGACTGTGTCTTGTCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCC	1560
Qy	1665		CGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGG	1724
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 Db 1726 CCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAA 1785  
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 Qy 1965 CTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTG 2024  
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 Qy 2085 GTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTAC 2144  
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 Db 2206 GAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTA 2265  
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RESULT 12

AX879068

LOCUS AX879068 1838 bp DNA linear PAT 17-DEC-2003  
 DEFINITION Sequence 13973 from Patent EP1074617.  
 ACCESSION AX879068  
 VERSION AX879068.1 GI:40033804  
 KEYWORDS .  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J., Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.

TITLE Primers for synthesising full-length cDNA and their use

JOURNAL Patent: EP 1074617-A 13973 07-FEB-2001; Research Association for Biotechnology (JP)

FEATURES Location/Qualifiers

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/organism="Homo sapiens"

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CDS 106. .1092

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# ORIGIN

Query Match 58.4%; Score 1834.8; DB 6; Length 1838;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1836; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1299	GATGAGCAAGTGGTGGGGACGCCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTT	1358
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Qy	1359	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	1418
Db	61	GCAGTGGAGACAGCCCAGGGCCTTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACC	120
Qy	1419	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCATCTGGTGGAA	1478
Db	121	ACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGCATCTGGTGGAA	180
Qy	1479	GAGATTGAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCCAG	1538
Db	181	GAGATTGAGCTGTTCCCTGACCCTGAACCTGTTGCAACCTGCAGCTGGCCCCCAG	240
Qy	1539	GGTGCAGTGTGGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGT	1598
Db	241	GGTGCAGTGTGGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGT	300
Qy	1599	GTCTATGAGAGCTGTGTGGACTGTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCT	1658
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Qy	1659	GAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATG	1718
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Qy	1719	GAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCT	1778
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Qy	1839	CCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTC	1898
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Qy	1899	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	1958
Db	601	CCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTT	660
Qy	1959	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	2018
Db	661	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	720
Qy	2019	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	2078
Db	721	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGG	780
Qy	2079	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	2138
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Db	841	TCCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCC	900
Qy	2199	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	2258
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Qy	2259	TGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCT	2318
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Qy	2319	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACT	2378
Db	1021	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACT	1080
Qy	2379	GAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	2438
Db	1081	GAGGTAGCTTAAACTCTAGGCACAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGG	1140
Qy	2439	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	2498
Db	1141	CTGGGCGGCCCCAAGCACAGCCCTGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTC	1200
Qy	2499	CCCTGAGAGGAGCTTCTGCTACTCTGCATCACTGATGACACTCAGCAGGGTGATGCACAG	2558
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# RESULT 13

BD157628

LOCUS BD157628 1838 bp DNA linear PAT 17-JAN-2003

DEFINITION Primer for synthesizing full-length cDNA and use thereof.

ACCESSION BD157628

VERSION BD157628.1 GI:27863386

KEYWORDS JP 2002191363-A/12471.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1838)

AUTHORS Ota,T., Isogai,T., Nishikawa,T., Hayashi,K., Saito,K., Yamamoto,J.,  
Ishii,S., Sugiyama,T., Wakamatsu,A., Nagai,K. and Otsuki,T.

TITLE Primer for synthesizing full-length cDNA and use thereof

JOURNAL Patent: JP 2002191363-A 12471 09-JUL-2002;

HELIX RESEARCH INSTITUTE

COMMENT OS Homo sapiens (human)  
 PN JP 2002191363-A/12471  
 PD 09-JUL-2002  
 PF 28-JUL-2000 JP 2000280990  
 PI TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,KOJI HAYASHI,KAORU  
 PI SAITO,  
 PI JUNICHI YAMAMOTO,SHIZUKO ISHII,TOMOYASU SUGIYAMA,AI WAKAMATSU,  
 PI KEIICHI NAGAI,TETSUJI OTSUKI  
 PC  
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 Primer for synthesizing full-length cDNA and use thereof FH Key  
 Location/Qualifiers  
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# ORIGIN

Query Match 58.4%; Score 1834.8; DB 6; Length 1838;  
 Best Local Similarity 99.9%; Pred. No. 0;  
 Matches 1836; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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#### RESULT 14

AK022349

LOCUS AK022349 1838 bp mRNA linear PRI 01-AUG-2002

DEFINITION Homo sapiens cDNA FLJ12287 fis, clone MAMMA1001771, moderately similar to M.musculus mRNA for semaphorin B.

ACCESSION AK022349

VERSION AK022349.1 GI:10433727

KEYWORDS oligo capping; fis (full insert sequence).

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Isogai,T., Ota,T., Hayashi,K., Sugiyama,T., Otsuki,T., Suzuki,Y., Nishikawa,T., Nagai,K., Sugano,S., Shiratori,A., Sudo,H., Wagatsuma,M., Hosoiri,T., Kaku,Y., Kodaira,H., Kondo,H., Sugawara,M., Takahashi,M., Chiba,Y., Ishida,S., Murakawa,K., Ono,Y., Takiguchi,S., Watanabe,S., Kimura,K., Murakami,K., Ishii,S., Kawai,Y., Saito,K., Yamamoto,J., Wakamatsu,A., Nakamura,Y., Nagahari,K., Masuho,Y., Ninomiya,K. and Iwayanagi,T.



TITLE NEDO human cDNA sequencing project  
 JOURNAL Unpublished  
 REFERENCE 2 (bases 1 to 1838)  
 AUTHORS Isogai,T. and Otsuki,T.  
 TITLE Direct Submission  
 JOURNAL Submitted (23-AUG-2000) Takao Isogai, Helix Research Institute,  
 Genomics Laboratory; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan  
 (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)  
 COMMENT NEDO human cDNA sequencing project supported by Ministry of  
 International Trade and Industry of Japan; cDNA full insert  
 sequencing: Research Association for Biotechnology; cDNA library  
 construction, 5'- & 3'-end one pass sequencing and clone selection:  
 Helix Research Institute (supported by Japan Key Technology Center  
 etc.) and Department of Virology, Institute of Medical Science,  
 University of Tokyo.  
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# ORIGIN

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Qy	1959	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	2018
Db	661	GGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTAC	720
Qy	2019	TGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGG	2078
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Db	781	GAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAG	840
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Qy	2199	CTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGC	2258
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Db	1021	CCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACT	1080
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Db	1681		CCCTTCTGCCCTGGCAGAATGGCAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAG	1740
QY	3039		CTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTG	3098
Db	1741		CTGACCCCTTCACCTCTCCCCCTCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTG	1800
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RESULT 15

BC025800

LOCUS

BC025800

3159 bp

mRNA

linear

ROD 12-NOV-2003

DEFINITION

Mus musculus sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A, mRNA

(cDNA clone MGC:35988 IMAGE:5102015), complete cds.

ACCESSION BC025800

VERSION BC025800.1 GI:19387926

KEYWORDS MGC.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 3159)

AUTHORS Strausberg,R.L., Feingold,E.A., Grouse,L.H., Derge,J.G., Klausner,R.D., Collins,F.S., Wagner,L., Shenmen,C.M., Schuler,G.D., Altschul,S.F., Zeeberg,B., Buetow,K.H., Schaefer,C.F., Bhat,N.K., Hopkins,R.F., Jordan,H., Moore,T., Max,S.I., Wang,J., Hsieh,F., Diatchenko,L., Marusina,K., Farmer,A.A., Rubin,G.M., Hong,L., Stapleton,M., Soares,M.B., Bonaldo,M.F., Casavant,T.L., Scheetz,T.E., Brownstein,M.J., Usdin,T.B., Toshiyuki,S., Carninci,P., Prange,C., Raha,S.S., Loquellano,N.A., Peters,G.J., Abramson,R.D., Mullahy,S.J., Bosak,S.A., McEwan,P.J., McKernan,K.J., Malek,J.A., Gunaratne,P.H., Richards,S., Worley,K.C., Hale,S., Garcia,A.M., Gay,L.J., Hulyk,S.W., Villalon,D.K., Muzny,D.M., Sodergren,E.J., Lu,X., Gibbs,R.A., Fahey,J., Helton,E., Kettelman,M., Madan,A., Rodrigues,S., Sanchez,A., Whiting,M., Madan,A., Young,A.C., Shevchenko,Y., Bouffard,G.G., Blakesley,R.W., Touchman,J.W., Green,E.D., Dickson,M.C., Rodriguez,A.C., Grimwood,J., Schmutz,J., Myers,R.M., Butterfield,Y.S., Krzywinski,M.I., Skalska,U., Smailus,D.E., Schnerch,A., Schein,J.E., Jones,S.J. and Marra,M.A.

TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences

JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)

MEDLINE 22388257

PUBMED 12477932

REFERENCE 2 (bases 1 to 3159)

AUTHORS Strausberg,R.

TITLE Direct Submission

JOURNAL Submitted (11-MAR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA

REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>

COMMENT Contact: MGC help desk

Email: [cgapbs-r@mail.nih.gov](mailto:cgapbs-r@mail.nih.gov)

Tissue Procurement: Jeffrey E. Green, M.D.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Genome Sequence Centre, BC Cancer Agency, Vancouver, BC, Canada

[info@bcgsc.bc.ca](mailto:info@bcgsc.bc.ca)

Steven Jones, Jennifer Asano, Ian Bosdet, Yaron Butterfield, Susanna Chan, Readman Chiu, Chris Fjell, Erin Garland, Ran Guin, Letticia Hsiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo Sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven Ness, Pawan Pandoh, Anna-Liisa Prabhu, Parvaneh Saeedi, Jacqueline Schein, Duane Smailus, Michael Smith, Lorraine Spence, Jeff Stott, Michael Thorne, Miranada Tsai, Natasja van den Bosch, Jill Vardy, George Yang, Scott Zuyderduyn, Marco Marra.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>  
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ORIGIN

Query Match

56.0%; Score 1760; DB 10; Length 3159;

Best Local Similarity 76.7%; Pred. No. 0;  
Matches 2356; Conservative 0; Mismatches 620; Indels 94; Gaps 13;

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Qy      75 GAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCCTGGGCCCTGGACCCC 134
      || | ||||| ||| ||||| ||||| ||| ||||| |||||
Db      132 GAACCATCTGGTGACCATCTCAGGCTGACCATGGCCCTACCATCCCTGGGCCAGGACTCA 191

Qy      135 TGGAGCCTCCTGGGCCCTTTTCTCTTCCAAGTCTTCTGCTGCTGCCGACGACGACC 194
      ||||| ||||| | ||||| ||||| ||| ||||| ||| |||
Db      192 TGGAGTCTCCTGCGTGTTTTTTTCTTCCAAGTCTTCTGCTGCCATCACTGCCACCTGCT 251

Qy      195 GCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATGCAGGGGATGAACGT 254
      | ||| || || ||||| ||||| ||||| ||||| ||| |||
Db      252 TCTGGGACTGGTGGTCAGGGGCCCATGCCCAGAGTCAAATACCATGCTGGAGACGGGCAC 311

Qy      255 AGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGT 314
      ||||| || ||||| ||||| || || ||||| || ||||| |||||
Db      312 AGGGCCCTCAGCTTCTTCCAACAAAAGGCCTCCGAGACTTTGACACGCTGCTCCTGAGT 371

Qy      315 GGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAG 374
      | ||||| || ||||| ||||| ||||| ||||| ||||| |||||
Db      372 GACGATGGCAACACTCTCTATGTGGGGGCTCGAGAGGCCGTCTGGCCTTGAATATCCAG 431

Qy      375 GATCCAGGGGTCCCCAGGCTAAAGAACATGATACCCTGGCCAGCCAGTGACAGAAAAAAG 434
      | ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      432 AACCCAGGAATCCCAAGGCTAAAGAACATGATACCCTGGCCAGCCAGTGAGAGAAAAAAG 491

Qy      435 AGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTCAACTTCATCCGTGTC 494
      | ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      492 ACCGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTCAACTTCATTGAGTC 551

Qy      495 CTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCT 554
      ||||| ||||| ||||| || || ||||| ||||| || ||||| |||||
Db      552 CTGGTCTCTTACAATGCTACTCACCTCTATGCCTGTGGGACCTTTGCCTTCAGCCCTGCC 611

Qy      555 TGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATG 614
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      612 TGTACCTTCATTGAACTCCAAGATTCCCTCCTGTTGCCCATCTTGATAGACAAGGTCATG 671

Qy      615 GAGGGAAAAGGCCAAAGCCCCCTTTGACCCGCTCACAAGCATACGGCTGTCTTGGTGGAT 674
      || || || ||||| ||||| ||||| || ||||| || |||||
Db      672 GACGGGAAGGGCCAAAGCCCCCTTTGACCTGTTTACAAGCACACAGCTGTCTTGGTGCAT 731

Qy      675 GGGATGCTCTATTCTGGTACTATGAACAACTTCTTGGGAGTGAGCCCATCCTGATGCGC 734
      ||||| ||||| || || ||||| ||||| ||||| |||||
Db      732 GGGATGCTTTATTCCGGCACCATGAACAACTTCTTGGGAGTGAGCCCATCCTGATGCGG 791

Qy      735 AACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCTGGCTGCATCATGAC 794
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      792 AACTGGGATCCCAGCCTGTCTCAAGACTGACATCTTCTTACGCTGGCTGCACGCGGAT 851

Qy      795 GCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACA 854
      ||||| ||||| ||||| || || ||||| ||||| |||||
Db      852 GCCTCCTTCGTGGCAGCCATTCCATCCACCCAGGTCGTCTATTTCTTCTTTCGAGGAGACA 911

Qy      855 GCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAG 914
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
```

Db	912	GCCAGCGAGTTTGACTTCTTTGAAGAGCTGTATATATCCAGGGTGGCTCAAGTCTGCAAG	971
Qy	915	AATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCAG	974
Db	972	AACGACGTGGGCGGTGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTCAAAGGCCAG	1031
Qy	975	CTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCTTGCTC	1034
Db	1032	TTGCTCTGCGCTCAGCCAGGGCAGCTGCCATTCAACATCATCCGCCACGCGGTCTTGCTG	1091
Qy	1035	CCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCCAGTGGCAGGTT	1094
Db	1092	CCCGCCGATTCTCCCTCTGTTTCCCGCATCTACGCAGTCTTTACCTCCCAGTGGCAGGTT	1151
Qy	1095	GGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGACATTGAACGTGTCTTT	1154
Db	1152	GGCGGGACCAGGAGCTCAGCAGTCTGTGCCTTCTCTCTCACGGACATTGAGCGAGTCTTT	1211
Qy	1155	AAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTACTTATAGGGGCCCT	1214
Db	1212	AAAGGGAAGTACAAGGAGCTGAACAAGGAGACCTCCGCTGGACCACTTACCGGGGCTCA	1271
Qy	1215	GAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTGACC	1274
Db	1272	GAGGTGAGCCCGAGGCCAGGCAGTTGCTCCATGGGCCCCCTCCTCTGACAAAGCCTTGACC	1331
Qy	1275	TTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGCCCCCTGCTGGTGAAA	1334
Db	1332	TTCATGAAGGACCATTTCCTGATGGATGAGCACGTGGTAGGAACACCCCTGCTGGTGAAAG	1391
Qy	1335	TCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCCTTGATGGGCACAGC	1394
Db	1392	TCTGGTGTGGAGTACACACGGCTTGCTGTGGAGTCAGCTCGGGGCCTTGATGGGAGCAGC	1451
Qy	1395	CATCTTGTGATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGTGGG	1454
Db	1452	CATGTGGTGTGATGTATCTGGGTACCTCCACGGGGTCCCTGCACAAGGCTGTGGTGCCTCAG	1511
Qy	1455	GACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACCCTGAACCTGTTTCGC	1514
Db	1512	GACAGCAGTGCTTATCTCGTGGAGGAGATTGAGCTGAGCCCTGACTCTGAGCCTGTTTCGA	1571
Qy	1515	AACCTGCAGCTGGCCCCCAGCCAGGGTGCAGTGTTTGTAGGCTTCTCAGGAGGTGTCTGG	1574
Db	1572	AACCTGCAGCTGGCCCCCGCCAGGGTGCAGTGTTTGCAGGCTTCTCTGGAGGCATCTGG	1631
Qy	1575	AGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTCTTGCCCCG	1634
Db	1632	AGAGTTCCAGGGCCAATTGCAGTGTCTACGAGAGCTGTGTGGACTGTGTGCTTGCCAGG	1691
Qy	1635	GACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCCTGTCTGCCCCAAC	1694
Db	1692	GACCTCACTGTGCCTGGGACCCTGAATCAAGACTCTGCAGCCTTCTGTCTGGCTCTACC	1751
Qy	1695	CTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGGCATGTGCCAGTGGC	1754
Db	1752	----AAGCCTTGGAAGCAGGACATGGAACGCGGCAACCCGGAGTGGGTATGCACCCGTGGC	1808

Qy 1755 CCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTAAAGAAGTCCTGGCT 1814  
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 Db 1809 CCCATGGCCAGGAGCCCCCGGCGTCAGAGCCCCCTCAACTAATTAAAGAAGTCCTGACA 1868

Qy 1815 GTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCTTGGCCTCTTATTAT 1874  
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 Db 1869 GTCCCCAACTCCATCCTGGAGCTGCCCTGCCCCACCTGTCAGCACTGGCCTCTTACCAC 1928

Qy 1875 TGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCTACAATGGCTCCCTC 1934  
 ||||| ||||| ||| | ||||| ||||| | ||||| ||||| |||||  
 Db 1929 TGGAGTCATGGCCGAGCCAAAATCTCAGAAGCCTCTGCTACCGTCTACAATGGCTCCCTC 1988

Qy 1935 TTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTGGGCAACTGAGAATGGC 1994  
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 Db 1989 TTGCTGCTGCCGAGGATGGTGTGCGGGGCTCTACCAGTGTGTGGCGACTGAGAACGGC 2048

Qy 1995 TTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGACCCTGGCCCTGGAT 2054  
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 Db 2049 TACTCATACCCTGTGGTCTCCTATTGGGTAGACAGCCAGGACCAGCCCTGGCGCTGGAC 2108

Qy 2055 CCTGAACTGGCAGGCATCCCCCGGAGCATGTGAAGGTCCCGTTGACCAGGGTCAGTGGT 2114  
 ||||| ||||| ||| | ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 2109 CCTGAGCTGGCGGGCGTTCCCCGTGAGCGTGTGCAGGTCCCGCTGACCAGGGTCGGAGGC 2168

Qy 2115 GGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCACTGTCACTGTCTCTC 2174  
 || || || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 2169 GGAGCTTCCATGGCTGCCCAGCGGTCTACTGGCCCCATTTTCTCATCGTTACCGTCCTC 2228

Qy 2175 TTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCCCATTGAGAGCACTC 2234  
 | ||| | |||| | ||| ||| |||| | |||| | |||| | |||| | |||| | ||||  
 Db 2229 CTGGCCATCGTGCTCCTGGGAGTGCTCACTCTCCTCCTCGCTTCCCCACTGGGGGCGCTG 2288

Qy 2235 CGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGGAGAAGGCCCCGTTA 2294  
 ||||| ||||| ||||| ||||| || |||| ||| ||| |||| ||| |  
 Db 2289 CGGGCTCGGGGTAAGGTTTCAGGGCTGTGGGATGCTGCCCCCAGGGGAAGGCTCCACTG 2348

Qy 2295 AGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTGCCAGTGATGTGGAC 2354  
 ||||| || || ||||| || | ||||| ||||| ||||| ||||| ||||| |||||  
 Db 2349 AGCAGGGACCAGCACCTCCAGCCCTCCAAGACCACAGGACCTCTGCCAGTGACGTAGAT 2408

Qy 2355 GCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCACAGGCCGGGGCT-- 2412  
 || ||||| || || ||| | || ||||| ||||| ||||| ||||| |||||  
 Db 2409 GCCGACAACAACCATCTGGGCGCCGAAGTGGCTTAAACAGGGACACAGATCCGCAGCTGA 2468

Qy 2413 GCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCAAGCACAGCCCTGACTAGGATGA 2472  
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 Db 2469 GCAGAGCAAGCCACTGGCCTTGTTGGCTATGC----- 2500

Qy 2473 CAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTACTCTGCATCACTG 2532  
 ||| | | | || | |||| ||||| || |||||  
 Db 2501 ---CAGGCACAGTGCCACTCTGACCAGGGTAGGAGGCTCTCCTGCTAACGTGTGTACCT 2557

Qy 2533 ATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGACTCCCTTCTACCA 2592  
 | ||| ||| ||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 2558 ACAGCACCCAGTAGG-----TCCTCCCCTGTGGGACTCTCTTCTGCAA 2600





GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 07:57:08 ; Search time 1158 Seconds  
(without alignments)  
11530.299 Million cell updates/sec

Title: US-10-015-391A-276  
Perfect score: 3143  
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3373863 seqs, 2124099041 residues

Total number of hits satisfying chosen parameters: 6747726

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : N\_Geneseq\_29Jan04:\*  
1: geneseqn1980s:\*  
2: geneseqn1990s:\*  
3: geneseqn2000s:\*  
4: geneseqn2001as:\*  
5: geneseqn2001bs:\*  
6: geneseqn2002s:\*  
7: geneseqn2003as:\*  
8: geneseqn2003bs:\*  
9: geneseqn2003cs:\*  
10: geneseqn2004s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	%		DB	ID	Description
		Query	Match Length			
1	3143	100.0	3143	3	AAC58392	Aac58392 Human PRO
2	3143	100.0	3143	8	ACD68436	Acd68436 Novel hum
3	3143	100.0	3143	8	ACH04538	Ach04538 Human cDN
4	3143	100.0	3143	8	ACD68082	Acd68082 Novel hum
5	3143	100.0	3143	9	ADC18145	Adc18145 Human PRO
6	3143	100.0	3143	9	ADD70791	Add70791 Human cDN
7	3143	100.0	3143	9	ADD39868	Add39868 Human cDN

	8	3143	100.0	3143	9	ADD70314	Add70314	Human	cDN
	9	3143	100.0	3143	9	ADD38435	Add38435	Human	cDN
	10	3143	100.0	3143	9	ADD39391	Add39391	Human	cDN
	11	3143	100.0	3143	9	ADD38914	Add38914	Human	cDN
	12	3143	100.0	3143	9	ADD40345	Add40345	Human	cDN
	13	3143	100.0	3143	9	ADE50566	Ade50566	Human	cDN
	14	3143	100.0	3143	9	ADE20178	Ade20178	Human	cDN
	15	3143	100.0	3143	9	ADE50089	Ade50089	Human	cDN
	16	3143	100.0	3143	9	ADE21647	Ade21647	Human	cDN
	17	3131	99.6	3142	3	AAA37100	Aaa37100	Human	PRO
	18	3075	97.8	3075	4	AAF54397	Aaf54397	DNA	encod
	19	3041.4	96.8	3252	9	ADD67570	Add67570	Human	Ly6
	20	3040.8	96.7	3104	5	AAF45125	Aaf45125	Human	TAN
	21	3040.8	96.7	3104	7	ABX94103	Abx94103	cDNA	enco
	22	3040.8	96.7	3104	7	ACD66780	Acd66780	Secreted	
	23	3035.8	96.6	3191	3	AAC69084	Aac69084	Human	sec
	24	3029.8	96.4	3042	4	AAK53428	Aak53428	Human	pol
	25	3028.2	96.3	3042	7	ABX13628	Abx13628	Human	cyt
	26	2860.4	91.0	3146	7	ACC69002	Acc69002	Human	neu
	27	2682.2	85.3	2981	9	ADB62165	Adb62165	Human	cDN
	28	2476.4	78.8	2768	6	ABS64946	Abs64946	Human	cDN
	29	2437	77.5	2745	7	ACC68985	Acc68985	Human	neu
	30	2283	72.6	2283	5	AAF45126	Aaf45126	Human	TAN
	31	2283	72.6	2283	7	ACD66781	Acd66781	Secreted	
c	32	2281	72.6	2281	6	AAD28945	Aad28945	Human	MOL
c	33	2281	72.6	2281	9	ADD18199	Add18199	Human	mol
	34	2228.4	70.9	2271	6	AAD28944	Aad28944	Human	MOL
	35	2228.4	70.9	2271	9	ADD18197	Add18197	Human	mol
	36	2104.8	67.0	2238	7	ACC69003	Acc69003	Human	neu
	37	1834.8	58.4	1838	4	AAH15636	Aah15636	Human	cDN
	38	1727.6	55.0	3046	5	AAF45137	Aaf45137	Murine	se
	39	1727.6	55.0	3046	5	AAF45140	Aaf45140	Murine	DN
	40	1727.6	55.0	3046	7	ACD26369	Acd26369	Secreted	
	41	1727.6	55.0	3046	7	ACD26370	Acd26370	Secreted	
c	42	1714.8	54.6	1901	4	AAK53434	Aak53434	Human	pol
	43	1015.8	32.3	1674	6	ABK94920	Abk94920	Human	nov
	44	925.8	29.5	1730	6	ABS54021	Abs54021	cDNA	enco
	45	696.6	22.2	775	4	AAH04875	Aah04875	Human	cDN

#### ALIGNMENTS

##### RESULT 1

AAC58392

ID AAC58392 standard; cDNA; 3143 BP.

XX

AC AAC58392;

XX

DT 29-JAN-2001 (first entry)

XX

DE Human PRO1317 nucleotide sequence SEQ ID NO:70.

XX

KW Human; tumour; diagnosis; neoplastic disease; neoplastic cell growth;

KW proliferation; tumorigenesis; identification; cancer; cytostatic;

KW nootropic; neuroprotective; antiinflammatory; immunosuppressive;

KW immunostimulant; antiangiogenic; leukaemia; lymphoid malignancy;

KW neuronal disorder; glial disorder; astrocytal disorder; angiogenic;  
 KW hypothalamic disorder; glandular disorder; macrophagal disorder;  
 KW epithelial disorder; stromal disorder; blastocoelic disorder;  
 KW inflammatory disorder; immunologic disorder; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200053755-A2.  
 XX  
 PD 14-SEP-2000.  
 XX  
 PF 06-JAN-2000; 2000WO-US000376.  
 XX  
 PR 08-MAR-1999; 99WO-US005028.  
 PR 02-JUN-1999; 99WO-US012252.  
 PR 23-JUN-1999; 99US-0141037P.  
 PR 07-JUL-1999; 99US-0143048P.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 05-JAN-2000; 2000WO-US000219.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hillan KJ, Roy MA;  
 PI Watanabe CK, Wood WI;  
 XX  
 DR WPI; 2000-572270/53.  
 DR P-PSDB; AAB24084.  
 XX  
 PT Thirty PRO polynucleotides encoding PRO polypeptides, useful in the  
 PT treatment, diagnosis and prevention of cancer.  
 XX  
 PS Claim 50; Fig 51; 286pp; English.  
 XX  
 CC The present invention describes an isolated antibody that binds to one of  
 CC the human PRO proteins designated PRO212, PRO290, PRO341, PRO535, PRO619,  
 CC PRO717, PRO809, PRO830, PRO848, PRO943, PRO1005, PRO1009, PRO1025,  
 CC PRO1030, PRO1097, PRO1107, PRO1111, PRO1153, PRO1182, PRO1184, PRO1187,  
 CC PRO1281, PRO23, PRO39, PRO834, PRO1317, PRO1710, PRO2094, PRO2145 OR  
 CC PRO2198. PRO antagonists can be used to inhibit tumour cell growth. The  
 CC PRO polypeptides and nucleotides are useful in the treatment, diagnosis  
 CC and prevention of cancer. The antibodies and other anti-tumour compounds  
 CC maybe used to treat various conditions, including those characterised by  
 CC overexpression and/or activation of the amplified PRO genes. Exemplary  
 CC conditions or disorders to be treated with such antibodies and other  
 CC compounds include benign or malignant tumours (e.g., renal, liver,  
 CC kidney, bladder, breast, gastric, ovarian, colorectal, prostate,  
 CC pancreatic, lung, vulva, thyroid, hepatic carcinomas, sarcomas,  
 CC glioblastomas, and various head and neck tumours), leukaemias and  
 CC lymphoid malignancies, other disorders such as neuronal, glial,  
 CC astrocytal, hypothalamic and other glandular, macrophagal, epithelial,  
 CC stromal and blastocoelic disorders, and inflammatory, angiogenic and  
 CC immunologic disorders. AAC58242 to AAC58366 represent PCR primers and  
 CC hybridisation probes used in the isolation of the human PRO sequences.  
 CC AAC58367 to AAC58396 and AAB24057 to AAB24089 represent human PRO  
 CC polynucleotide and protein sequences given in the exemplification of the

CC present invention

XX

SQ Sequence 3143 BP; 656 A; 963 C; 828 G; 696 T; 0 U; 0 Other;

Query Match 100.0%; Score 3143; DB 3; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC 60
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
      |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180
      |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240
      |||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
      |||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
      |||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
      |||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
      |||
Db    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
      |||
Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG 600
      |||
Db    541 CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG 660
      |||
Db    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG 660

Qy    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC 720
      |||
Db    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC 720

Qy    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTCCTCCGCT 780
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Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	 CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCAGTGGAGACAGCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGAGTATACACGGCTTGCAGTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620

Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTGAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTGAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460

Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 2

ACD68436

ID ACD68436 standard; cDNA; 3143 BP.

XX

AC ACD68436;

XX

DT 17-SEP-2003 (first entry)



XX  
 DE Novel human secreted and transmembrane protein PRO1317 cDNA.  
 XX  
 KW Human; secreted and transmembrane protein; PRO; angiogenesis;  
 KW endothelial cell proliferation; wound healing; immune response;  
 KW T-lymphocytes proliferation; neonatal heart hypertrophy; tumour;  
 KW cardiac insufficiency disorder; calcium flux; inflammation;  
 KW vascular endothelial growth factor-stimulated proliferation;  
 KW mammalian kidney mesangial cell proliferation; Berger disease;  
 KW nephropathy; Schanlein-Henoch purpura; celiac disease; Crohn's disease;  
 KW dermatitis herpetiformis; diabetes; haemoglobin switch; insulinaemia;  
 KW pancreatic beta-cell precursor cell differentiation; thalassemias;  
 KW obesity; auditory hair cell regeneration; hearing loss; bone disorder;  
 KW cartilage disorder; sports injury; arthritis; gene; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003073130-A1.  
 XX  
 PD 17-APR-2003.  
 XX  
 PF 11-DEC-2001; 2001US-00015869.  
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 PR 01-SEP-1998; 98US-0098716P.  
 PR 01-SEP-1998; 98US-0098723P.  
 PR 01-SEP-1998; 98US-0098749P.  
 PR 01-SEP-1998; 98US-0098750P.  
 PR 02-SEP-1998; 98US-0098803P.  
 PR 02-SEP-1998; 98US-0098821P.  
 PR 02-SEP-1998; 98US-0098843P.  
 PR 09-SEP-1998; 98US-0099536P.  
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 PR 09-SEP-1998; 98US-0099598P.  
 PR 09-SEP-1998; 98US-0099602P.  
 PR 09-SEP-1998; 98US-0099642P.  
 PR 10-SEP-1998; 98US-0099741P.  
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 PR 10-SEP-1998; 98US-0099815P.  
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PR	22-DEC-1998;	98US-0113296P.
PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.
PR	16-APR-1999;	99US-0129674P.
PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145698P.
PR	01-SEP-1999;	99WO-US020111.
PR	15-SEP-1999;	99WO-US021194.
PR	29-OCT-1999;	99US-0162506P.
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PR	02-DEC-1999;	99WO-US028551.
PR	16-DEC-1999;	99WO-US030095.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004342.
PR	24-FEB-2000;	2000WO-US005004.
PR	02-MAR-2000;	2000WO-US005841.
PR	15-MAR-2000;	2000WO-US006884.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	23-AUG-2000;	2000WO-US023522.
PR	24-AUG-2000;	2000WO-US023328.

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PR 10-NOV-2000; 2000WO-US030873.  
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PR 01-MAR-2001; 2001WO-US006666.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 04-SEP-2001; 2001US-00946374.

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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

XX

DR WPI; 2003-585293/55.

DR P-PSDB; ABO33660.

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PT Novel isolated PRO polypeptides e.g. PRO1130, PRO1275, PRO1418, PRO1555,  
PT PRO1787 that modulate glucose or free fatty acid uptake by skeletal  
PT muscle cells, and are useful for treating diabetes, hyper- or hypo-

Query Match 100.0%; Score 3143; DB 8; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
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Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
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Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
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Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
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Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420

Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCGCTCACAAGCATAACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCGCTCACAAGCATAACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
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Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	 CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	 GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160

Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000

Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 3

ACH04538

ID ACH04538 standard; cDNA; 3143 BP.

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AC ACH04538;

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DT 01-OCT-2003 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; vulnerary;  
 KW cardiant; antidiabetic; anorectic; antiarthritic; angiogenesis; cancer;  
 KW adrenal cortical capillary; endothelial cell growth; wound healing;  
 KW stimulated T-lymphocyte proliferation; immune response suppression;  
 KW neonatal heart hypertrophy; cardiac insufficiency disorder;  
 KW vascular endothelial growth factor; inflammation; mononuclear cell;  
 KW eosinophil; diabetes; obesity; or hyper-insulinaemia; hypo-insulinaemia;  
 KW chondrocyte redifferentiation; bone disorder; cartilage disorder;  
 KW sports injury; arthritis.

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OS Homo sapiens.

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PN US2003044841-A1.

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PD 06-MAR-2003.

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PF 06-DEC-2001; 2001US-00006856.

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PR	01-SEP-1998;	98US-0098716P.
PR	01-SEP-1998;	98US-0098723P.
PR	01-SEP-1998;	98US-0098749P.
PR	01-SEP-1998;	98US-0098750P.
PR	02-SEP-1998;	98US-0098803P.
PR	02-SEP-1998;	98US-0098821P.
PR	02-SEP-1998;	98US-0098843P.
PR	09-SEP-1998;	98US-0099536P.
PR	09-SEP-1998;	98US-0099596P.
PR	09-SEP-1998;	98US-0099598P.
PR	09-SEP-1998;	98US-0099602P.
PR	09-SEP-1998;	98US-0099642P.
PR	10-SEP-1998;	98US-0099741P.
PR	10-SEP-1998;	98US-0099754P.
PR	10-SEP-1998;	98US-0099763P.



PR	10-SEP-1998;	98US-0099792P.
PR	10-SEP-1998;	98US-0099808P.
PR	10-SEP-1998;	98US-0099812P.
PR	10-SEP-1998;	98US-0099815P.
PR	10-SEP-1998;	98US-0099816P.
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PR	16-SEP-1998;	98US-0100664P.
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PR	17-SEP-1998;	98US-0100711P.
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PR	23-SEP-1998;	98US-0101474P.
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PR	29-SEP-1998;	98US-0102331P.
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PR	17-NOV-1998;	98US-0108807P.
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 PR 11-FEB-2000; 2000WO-US003565.  
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 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
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 PR 24-AUG-2000; 2000WO-US023328.  
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 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 04-SEP-2001; 2001US-00946374.

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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
 PI Williams PM, Wood WI;

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DR WPI; 2003-492259/46.

DR P-PSDB; ABO44513.

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PT Novel secreted and transmembrane polypeptides and polynucleotides  
 PT encoding them useful for treating various cardiac insufficiency  
 PT disorders, bone and/or cartilage disorders such as sports injuries and  
 PT arthritis.

Query Match 100.0%; Score 3143; DB 8; Length 3143;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60  
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Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
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Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
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Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
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Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
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Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
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Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
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Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960

Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Db	1801	 AAGAACTCCTGGCTGTCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700

Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTC AAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTC AAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

#### RESULT 4

ACD68082

ID ACD68082 standard; cDNA; 3143 BP.

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AC ACD68082;

XX

DT 17-SEP-2003 (first entry)

XX

DE Novel human secreted and transmembrane protein PRO1317 cDNA.

XX

KW Human; secreted and transmembrane protein; PRO; gene therapy; vaccine;  
 KW tissue typing; chromosome identification; vaccine; gene; ss.

XX

OS Homo sapiens.

XX

PN US2003073129-A1.

XX

PD 17-APR-2003.

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PF 04-SEP-2001; 2001US-00946374.

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PR 01-SEP-1998; 98US-0098716P.

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PR	17-NOV-1998;	98US-0108807P.
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PR 17-NOV-1998; 98US-0108925P.  
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PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 24-FEB-2000; 2000WO-US005004.  
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PR 15-MAR-2000; 2000WO-US006884.  
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PA (GETH ) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

XX

DR WPI; 2003-585292/55.

DR P-PSDB; ABO33537.

XX  
PT Novel isolated PRO polypeptides e.g. PRO1491 and PRO1571, useful in the  
PT preparation of a medicament for treating a condition responsive to PRO  
PT polypeptide, and as therapeutic agents e.g. vaccines.  
XX  
PS Claim 2; Fig 157; 561pp; English.  
XX  
CC The invention describes an isolated PRO (secreted and transmembrane)  
CC polypeptide (I), having at least 80% sequence identity to a sequence

Query Match 100.0%; Score 3143; DB 8; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCAACCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660

Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500

Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400

Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

ADC18145

ID ADC18145 standard; cDNA; 3143 BP.

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AC ADC18145;

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DT 18-DEC-2003 (first entry)

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DE Human PRO polynucleotide #79.

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KW Human; PRO; gene; ss; protein electrophoresis; chromosome mapping;

KW gene mapping; genetic disorder.

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OS Homo sapiens.

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PN US2003064925-A1.

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PD 03-APR-2003.

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PF 10-DEC-2001; 2001US-00013907.

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PR 01-SEP-1998; 98US-0098716P.

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PR 15-MAR-2000; 2000WO-US006884.  
PR 17-MAY-2000; 2000WO-US013705.  
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PR 10-NOV-2000; 2000WO-US030873.

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CC

Qy

Db

Qy

Db

Qy

Db

Qy

Db

Qv

Db

Qv

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Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGC	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGC	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200

Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Db	2881		TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001		CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061		TCCCTTTTCCTTTGTTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Db	3061		TCCCTTTTCCTTTGTTTTGGGATTGAGAACTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Qy	3121		TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121		TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 6

ADD70791

ID ADD70791 standard; cDNA; 3143 BP.

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AC ADD70791;

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DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;  
 KW immune response; cardiac insufficiency disorder; calcium flux;  
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;  
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;  
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;  
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

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OS Homo sapiens.

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PN US2003099625-A1.

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PD 29-MAY-2003.

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PF 12-DEC-2001; 2001US-00015386.

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PR 01-SEP-1998; 98US-0098716P.

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PR 01-SEP-1998; 98US-0098750P.

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PR	22-SEP-1998;	98US-0101279P.
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PR	23-SEP-1998;	98US-0101472P.
PR	23-SEP-1998;	98US-0101474P.
PR	23-SEP-1998;	98US-0101475P.
PR	23-SEP-1998;	98US-0101476P.
PR	23-SEP-1998;	98US-0101477P.
PR	23-SEP-1998;	98US-0101479P.
PR	24-SEP-1998;	98US-0101738P.
PR	24-SEP-1998;	98US-0101741P.
PR	24-SEP-1998;	98US-0101743P.
PR	24-SEP-1998;	98US-0101915P.
PR	24-SEP-1998;	98US-0101916P.
PR	29-SEP-1998;	98US-0102207P.
PR	29-SEP-1998;	98US-0102240P.
PR	29-SEP-1998;	98US-0102307P.
PR	29-SEP-1998;	98US-0102330P.
PR	29-SEP-1998;	98US-0102331P.
PR	30-SEP-1998;	98US-0102484P.
PR	30-SEP-1998;	98US-0102487P.
PR	30-SEP-1998;	98US-0102570P.
PR	30-SEP-1998;	98US-0102571P.
PR	01-OCT-1998;	98US-0102684P.
PR	01-OCT-1998;	98US-0102687P.
PR	02-OCT-1998;	98US-0102965P.
PR	06-OCT-1998;	98US-0103258P.
PR	06-OCT-1998;	98US-0103449P.
PR	07-OCT-1998;	98US-0103314P.
PR	07-OCT-1998;	98US-0103315P.
PR	07-OCT-1998;	98US-0103328P.

PR	07-OCT-1998;	98US-0103395P.
PR	07-OCT-1998;	98US-0103396P.
PR	07-OCT-1998;	98US-0103401P.
PR	08-OCT-1998;	98US-0103633P.
PR	08-OCT-1998;	98US-0103678P.
PR	08-OCT-1998;	98US-0103679P.
PR	08-OCT-1998;	98US-0103711P.
PR	14-OCT-1998;	98US-0104257P.
PR	20-OCT-1998;	98US-0104987P.
PR	20-OCT-1998;	98US-0105000P.
PR	20-OCT-1998;	98US-0105002P.
PR	21-OCT-1998;	98US-0105104P.
PR	22-OCT-1998;	98US-0105169P.
PR	22-OCT-1998;	98US-0105266P.
PR	26-OCT-1998;	98US-0105693P.
PR	26-OCT-1998;	98US-0105694P.
PR	27-OCT-1998;	98US-0105807P.
PR	27-OCT-1998;	98US-0105881P.
PR	27-OCT-1998;	98US-0105882P.
PR	27-OCT-1998;	98US-0106062P.
PR	28-OCT-1998;	98US-0106023P.
PR	28-OCT-1998;	98US-0106029P.
PR	28-OCT-1998;	98US-0106030P.
PR	28-OCT-1998;	98US-0106032P.
PR	28-OCT-1998;	98US-0106033P.
PR	28-OCT-1998;	98US-0106178P.
PR	29-OCT-1998;	98US-0106248P.
PR	29-OCT-1998;	98US-0106384P.
PR	29-OCT-1998;	98US-0108500P.
PR	30-OCT-1998;	98US-0106464P.
PR	03-NOV-1998;	98US-0106856P.
PR	03-NOV-1998;	98US-0106902P.
PR	03-NOV-1998;	98US-0106905P.
PR	03-NOV-1998;	98US-0106919P.
PR	03-NOV-1998;	98US-0106932P.
PR	03-NOV-1998;	98US-0106934P.
PR	10-NOV-1998;	98US-0107783P.
PR	17-NOV-1998;	98US-0108775P.
PR	17-NOV-1998;	98US-0108779P.
PR	17-NOV-1998;	98US-0108787P.
PR	17-NOV-1998;	98US-0108788P.
PR	17-NOV-1998;	98US-0108801P.
PR	17-NOV-1998;	98US-0108802P.
PR	17-NOV-1998;	98US-0108806P.
PR	17-NOV-1998;	98US-0108807P.
PR	17-NOV-1998;	98US-0108867P.
PR	17-NOV-1998;	98US-0108925P.
PR	18-NOV-1998;	98US-0108848P.
PR	18-NOV-1998;	98US-0108849P.
PR	18-NOV-1998;	98US-0108850P.
PR	18-NOV-1998;	98US-0108851P.
PR	18-NOV-1998;	98US-0108852P.
PR	18-NOV-1998;	98US-0108858P.
PR	18-NOV-1998;	98US-0108904P.
PR	22-DEC-1998;	98US-0113296P.
PR	30-DEC-1998;	98US-0114223P.
PR	05-JAN-1999;	99WO-US000106.



PR 16-APR-1999; 99US-0129674P.  
 PR 23-JUN-1999; 99US-0141037P.  
 PR 20-JUL-1999; 99US-0144758P.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 15-SEP-1999; 99WO-US021194.  
 PR 29-OCT-1999; 99US-0162506P.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 04-SEP-2001; 2001US-00946374.

XX

PA (GETH ) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
 PI Williams PM, Wood WI;

XX

DR WPI; 2003-874602/81.

DR P-PSDB; ADD70792.

XX

PT Novel isolated PRO polypeptides e.g., PRO1130, PRO1275, PRO1418, PRO1555,  
 PT PRO1787 affect glucose or free fatty acid (FFA) uptake by skeletal muscle  
 PT cells and are useful for treating diabetes or hyper- or hypo-insulinemia.

XX

PS Claim 2; SEQ ID NO 276; 553pp; English.

XX

CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60

Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740

Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAAC TGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

QY	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
QY	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
QY	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
QY	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
QY	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
QY	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
QY	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
QY	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
QY	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTGAGAGACTGTTTATTTTTTAT	3120
QY	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 7

ADD39868

ID ADD39868 standard; cDNA; 3143 BP.

XX

AC ADD39868;

XX

DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX  
 OS Homo sapiens.  
 XX  
 PN US2003083462-A1.  
 XX  
 PD 01-MAY-2003.  
 XX  
 PF 10-DEC-2001; 2001US-00013913.  
 XX  
 PR 05-JAN-1999; 99WO-US000106.  
 PR 01-SEP-1999; 99WO-US020111.  
 PR 15-SEP-1999; 99WO-US021194.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 02-DEC-1999; 99WO-US028551.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004342.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 17-MAY-2000; 2000WO-US013705.  
 PR 22-MAY-2000; 2000WO-US014042.  
 PR 30-MAY-2000; 2000WO-US014941.  
 PR 02-JUN-2000; 2000WO-US015264.  
 PR 23-AUG-2000; 2000WO-US023522.  
 PR 24-AUG-2000; 2000WO-US023328.  
 PR 08-NOV-2000; 2000WO-US030952.  
 PR 10-NOV-2000; 2000WO-US030873.  
 PR 01-DEC-2000; 2000WO-US032678.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 01-JUN-2001; 2001WO-US017800.  
 PR 20-JUN-2001; 2001WO-US019692.  
 PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 04-SEP-2001; 2001US-00946374.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
 PI Williams PM, Wood WI;  
 XX  
 DR WPI; 2003-755122/71.  
 DR P-PSDB; ADD39869.  
 XX  
 PT New secreted and transmembrane PRO polypeptides useful for treating  
 PT cancers, kidney disorders, Crohn's disease, diabetes mellitus, hyper- or  
 PT hypo-insulinemia, sports injuries and arthritis.  
 XX  
 PS Claim 2; SEQ ID NO 276; 557pp; English.  
 XX  
 CC The invention relates to an isolated PRO polypeptide (secreted or  
 CC transmembrane protein) having at least 80% amino acid sequence identity

CC to an amino acid sequence chosen from 123 fully defined sequences as  
 CC given in the specification (including their extracellular domains either  
 CC or without their associated signal peptides. Also include are the  
 CC nucleotide (NA) sequences encoding PRO, a vector comprising the PRO NA, a  
 CC host cell comprising the vector, producing PRO, a chimaeric molecule  
 CC comprising PRO fused to a heterologous amino acid sequence, and an anti-  
 CC PRO antibody. Pro is useful as molecular weight markers for protein  
 CC electrophoresis and also for chromosome identification. PRO is also  
 CC useful for tissue typing. PRO and PRO NA are useful as hybridisation  
 CC probes for a cDNA library to isolate the full-length PRO cDNA. PRO NA is  
 CC useful for generating transgenic animals or knock-out animals which are  
 CC useful in development and screening useful reagents. PRO NA is also  
 CC useful in gene therapy. PRO1244, PRO1286 and PRO1303 polypeptides are  
 CC useful for treating cancerous tumours. PRO1250, PRO1418 and PRO1410  
 CC polypeptides are useful for suppressing immune response. PRO1246  
 CC polypeptide is useful for treating cardiac insufficiency disorders.  
 CC PRO1246 polypeptide is also useful for treating tumours. PRO1246 and  
 CC PRO1561 polypeptide are useful for stimulating calcium flux in human  
 CC umbilical vein endothelial cells. PRO1265, PRO1250 and PRO1474  
 CC polypeptides are useful for treating bone and/or cartilage disorders  
 CC (e.g., arthritis) and wound healing. PRO1130, PRO1275 and PRO1418  
 CC polypeptides are useful for treating diabetes in skeletal muscle cells  
 CC and obesity. PRO1265, PRO1244 and PRO1382 polypeptides are useful for  
 CC treating Berger disease or other nephropathies associated with Schonlein-  
 CC Henoch purpura, coeliac disease, dermatitis, herpetiformis or Crohn's  
 CC disease. PRO1478, PRO1265, PRO1412, PRO1279, PRO1304, PRO1306, PRO1418,  
 CC PRO1410 and PRO1575 are useful in treating thalassaemias. The present  
 CC sequence encodes a PRO protein of the invention.

XX

SQ Sequence 3143 BP; 656 A; 963 C; 828 G; 696 T; 0 U; 0 Other;

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360

Db	301	CTCTGCTCCTGAGTGGTGATGGAAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200



Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Db	2881		TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941		CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001		CAGGGGTAATCTGAGCCTTCTTCACCTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001		CAGGGGTAATCTGAGCCTTCTTCACCTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061		TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061		TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121		TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121		TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 8

ADD70314

ID ADD70314 standard; cDNA; 3143 BP.

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AC ADD70314;

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DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003054406-A1.

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PD 20-MAR-2003.

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PF 06-DEC-2001; 2001US-00006818.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

PR 02-SEP-1998; 98US-0098843P.

PR 09-SEP-1998; 98US-0099536P.

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PR	18-NOV-1998;	98US-0108858P.
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PR 23-JUN-1999; 99US-0141037P.  
PR 20-JUL-1999; 99US-0144758P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 01-SEP-1999; 99WO-US020111.  
PR 15-SEP-1999; 99WO-US021194.  
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PR 02-DEC-1999; 99WO-US028551.  
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PR 05-JAN-2000; 2000WO-US000219.  
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PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
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PR 01-MAR-2001; 2001WO-US006666.  
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PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 04-SEP-2001; 2001US-00946374.

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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

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DR WPI; 2003-708344/67.

DR P-PSDB; ADD70315.

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PT Novel isolated PRO polypeptide useful for tissue typing, modulating  
PT biological activity of cell, as molecular weight markers in protein  
PT electrophoresis, for treating arthritis, tumor.

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PS Claim 2; SEQ ID NO 276; 549pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGA	CTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT		960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT		960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGT	CATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGT	CATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT		1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT		1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA		1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA		1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA		1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA		1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG		1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG		1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC		1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC		1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC		1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC		1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG		1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG		1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC		1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC		1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT		1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT		1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT		1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT		1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC		1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC		1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG		1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG		1740



Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 9

ADD38435

ID ADD38435 standard; cDNA; 3143 BP.

XX

AC ADD38435;

XX

DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX  
OS Homo sapiens.  
XX  
PN US2003096955-A1.  
XX  
PD 22-MAY-2003.  
XX  
PF 07-DEC-2001; 2001US-00012755.  
XX  
PR 01-SEP-1998; 98US-0098716P.  
PR 01-SEP-1998; 98US-0098723P.  
PR 01-SEP-1998; 98US-0098749P.  
PR 01-SEP-1998; 98US-0098750P.  
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PR 02-SEP-1998; 98US-0098821P.  
PR 02-SEP-1998; 98US-0098843P.  
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PR 17-NOV-1998; 98US-0108775P.  
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PR 17-NOV-1998; 98US-0108787P.  
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PR 17-NOV-1998; 98US-0108807P.  
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PR 18-NOV-1998; 98US-0108858P.  
PR 18-NOV-1998; 98US-0108904P.  
PR 22-DEC-1998; 98US-0113296P.  
PR 30-DEC-1998; 98US-0114223P.  
PR 05-JAN-1999; 99WO-US000106.  
PR 16-APR-1999; 99US-0129674P.  
PR 23-JUN-1999; 99US-0141037P.  
PR 20-JUL-1999; 99US-0144758P.  
PR 26-JUL-1999; 99US-0145698P.  
PR 01-SEP-1999; 99WO-US020111.  
PR 15-SEP-1999; 99WO-US021194.  
PR 29-OCT-1999; 99US-0162506P.  
PR 30-NOV-1999; 99WO-US028313.  
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PR 16-DEC-1999; 99WO-US030095.  
PR 05-JAN-2000; 2000WO-US000219.  
PR 06-JAN-2000; 2000WO-US000376.  
PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 10-NOV-2000; 2000WO-US030873.  
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PR 28-FEB-2001; 2001WO-US006520.  
PR 01-MAR-2001; 2001WO-US006666.  
PR 01-JUN-2001; 2001WO-US017800.  
PR 20-JUN-2001; 2001WO-US019692.  
PR 29-JUN-2001; 2001WO-US021066.  
PR 09-JUL-2001; 2001WO-US021735.  
PR 04-SEP-2001; 2001US-00946374.

XX

PA (GETH ) GENENTECH INC.

XX

PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;

PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
 PI Williams PM, Wood WI;  
 XX  
 DR WPI; 2003-787000/74.  
 DR P-PSDB; ADD38436.  
 XX  
 PT Novel isolated PRO polypeptide, useful for treating cancerous tumors,  
 PT cardiac insufficiency disorders, wound healing, diabetes mellitus,  
 PT thalassemias.  
 XX  
 PS Claim 2; SEQ ID NO 276; 556pp; English.  
 XX  
 CC The invention relates to an isolated PRO polypeptide (secreted or  
 CC transmembrane protein) having at least 80% amino acid sequence identity

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG	600

Db	541	 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440

Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280



Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCC TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCC TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCTGAAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGCTTTTCTGAAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATT CAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATT CAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120

Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143  
 |||||  
 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 10

ADD39391

ID ADD39391 standard; cDNA; 3143 BP.

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AC ADD39391;

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DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003096954-A1.

XX

PD 22-MAY-2003.

XX

PF 07-DEC-2001; 2001US-00011671.

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PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

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PR 09-SEP-1998; 98US-0099536P.

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PR 10-SEP-1998; 98US-0099808P.

PR 10-SEP-1998; 98US-0099812P.

PR 10-SEP-1998; 98US-0099815P.

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PR 04-SEP-2001; 2001US-00946374.

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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

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DR WPI; 2003-786999/74.

DR P-PSDB; ADD39392.

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PT Novel isolated PRO polypeptide useful for tissue typing, modulating  
PT biological activity of cell, as molecular weight markers in protein  
PT electrophoresis, for treating arthritis, tumor.

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PS Claim 2; SEQ ID NO 276; 550pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAAACGCAGCGGC	60
Qy	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240

Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCTTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCTTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGGGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGGGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140

Db	1081	 CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAAGTGCTGGG	1980

Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCAC TGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820



Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 11

ADD38914

ID ADD38914 standard; cDNA; 3143 BP.

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AC ADD38914;

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DT 15-JAN-2004 (first entry)

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DE Human cDNA encoding secreted/transmembrane protein PRO1317.

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KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;  
 KW immune response; cardiac insufficiency disorder; calcium flux;  
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;  
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;  
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;  
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

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PN US2003092061-A1.

XX

PD 15-MAY-2003.

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PF 06-DEC-2001; 2001US-00007194.

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PR 01-SEP-1998; 98US-0098723P.

PR 01-SEP-1998; 98US-0098749P.

PR 01-SEP-1998; 98US-0098750P.

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PR 04-SEP-2001; 2001US-00946374.

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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

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DR WPI; 2003-765477/72.

DR P-PSDB; ADD38915.

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PT New isolated PRO polypeptide such as PRO1560, PRO444, PRO1018, PRO1773,  
PT PRO1244, PRO1246, useful for treating cancerous tumors, cardiac  
PT insufficiency disorders, wound healing, Crohn's disease, celiac disease.

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PS Claim 2; SEQ ID NO 276; 555pp; English.

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CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180
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Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
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Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
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Qy    421 GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAGCAATGAGACACAGTGTTC 480
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Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
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Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
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Qy	901	CTAGAGTCTGCAAGAATGACGTGGCGGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
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Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGTGCCCTTCAACGTATCCGCC	1020
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Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTACCT	1080
Qy	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
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Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
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Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
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Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
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Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCACTGTTTGTAGGCTTCT	1560
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Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680

Db	1621	 GTGTCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
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Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520

Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTCTCAGAGACTGTTTATTTTTTAT	3120
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Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 12

ADD40345

ID ADD40345 standard; cDNA; 3143 BP.

XX

AC ADD40345;

XX

DT 15-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX



KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;  
 KW immune response; cardiac insufficiency disorder; calcium flux;  
 KW umbilical vein endothelial cell; bone disorder; cartilage disorder;  
 KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;  
 KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;  
 KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.  
 XX  
 OS Homo sapiens.  
 XX  
 PN US2003082627-A1.  
 XX  
 PD 01-MAY-2003.  
 XX  
 PF 06-DEC-2001; 2001US-00006117.  
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 PR 01-SEP-1998; 98US-0098716P.  
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PR 03-NOV-1998; 98US-0106934P.  
PR 10-NOV-1998; 98US-0107783P.  
PR 17-NOV-1998; 98US-0108775P.  
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PR 23-JUN-1999; 99US-0141037P.  
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PR 16-DEC-1999; 99WO-US030095.  
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PR 11-FEB-2000; 2000WO-US003565.  
PR 18-FEB-2000; 2000WO-US004342.  
PR 24-FEB-2000; 2000WO-US005004.  
PR 02-MAR-2000; 2000WO-US005841.  
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PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015264.  
PR 23-AUG-2000; 2000WO-US023522.  
PR 24-AUG-2000; 2000WO-US023328.  
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PR 29-JUN-2001; 2001WO-US021066.  
 PR 09-JUL-2001; 2001WO-US021735.  
 PR 04-SEP-2001; 2001US-00946374.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
 PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
 PI Williams PM, Wood WI;  
 XX  
 DR WPI; 2003-755104/71.  
 DR P-PSDB; ADD40346.  
 XX  
 PT New isolated PRO polypeptides such as PRO1560, PRO444, PRO1018, PRO1773,  
 PT PRO1244, PRO1246, are useful for treating cancerous tumors and cardiac  
 PT insufficiency disorders.  
 XX  
 PS Claim 2; SEQ ID NO 276; 550pp; English.  
 XX  
 CC The invention relates to an isolated PRO polypeptide (secreted or

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
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Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCAGAAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCAGCAGCAGTCCAGAAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220

Db	2161	 CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTAGGCTTAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTAGGCTTAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060

Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060

Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120  
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Db 3061 TCCCTTTTCCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120

Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143  
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Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 13

ADE50566

ID ADE50566 standard; cDNA; 3143 BP.

XX

AC ADE50566;

XX

DT 29-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

XX

PN US2003069179-A1.

XX

PD 10-APR-2003.

XX

PF 11-DEC-2001; 2001US-00015393.

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PR 01-SEP-1998; 98US-0098716P.

PR 01-SEP-1998; 98US-0098723P.

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PR 01-SEP-1998; 98US-0098750P.

PR 02-SEP-1998; 98US-0098803P.

PR 02-SEP-1998; 98US-0098821P.

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PR 09-SEP-1998; 98US-0099536P.

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PR	28-OCT-1998;	98US-0106023P.
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PR	29-OCT-1998;	98US-0106384P.
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PR	03-NOV-1998;	98US-0106934P.
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PR	05-JAN-1999;	99WO-US000106.
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PR	23-JUN-1999;	99US-0141037P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145698P.
PR	01-SEP-1999;	99WO-US020111.
PR	15-SEP-1999;	99WO-US021194.
PR	29-OCT-1999;	99US-0162506P.
PR	30-NOV-1999;	99WO-US028313.
PR	02-DEC-1999;	99WO-US028551.

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Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCCACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	TGCCCACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020

Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760

Db	2701	 CAGAAACACAGTGTTC AAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAAGTCTGTCAGAGACTGTTTATTTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATTAGAAAAGTCTGTCAGAGACTGTTTATTTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 14

ADE20178

ID ADE20178 standard; cDNA; 3143 BP.

XX

AC ADE20178;

XX

DT 29-JAN-2004 (first entry)

XX

DE Human cDNA encoding secreted/transmembrane protein PRO1317.

XX

KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;

KW immune response; cardiac insufficiency disorder; calcium flux;

KW umbilical vein endothelial cell; bone disorder; cartilage disorder;

KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;

KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;

KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.

XX

OS Homo sapiens.

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PN US2003092883-A1.

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PD 15-MAY-2003.

XX

PF 10-DEC-2001; 2001US-00013430.

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PR	01-SEP-1998;	98US-0098716P.
PR	01-SEP-1998;	98US-0098723P.
PR	01-SEP-1998;	98US-0098749P.
PR	01-SEP-1998;	98US-0098750P.
PR	02-SEP-1998;	98US-0098803P.
PR	02-SEP-1998;	98US-0098821P.
PR	02-SEP-1998;	98US-0098843P.
PR	09-SEP-1998;	98US-0099536P.
PR	09-SEP-1998;	98US-0099596P.
PR	09-SEP-1998;	98US-0099598P.
PR	09-SEP-1998;	98US-0099602P.
PR	09-SEP-1998;	98US-0099642P.
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PR	10-SEP-1998;	98US-0099754P.
PR	10-SEP-1998;	98US-0099763P.
PR	10-SEP-1998;	98US-0099792P.
PR	10-SEP-1998;	98US-0099808P.
PR	10-SEP-1998;	98US-0099812P.
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PR	17-SEP-1998;	98US-0100919P.
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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

XX

DR WPI; 2003-765493/72.

DR P-PSDB; ADE20179.

XX

PT New isolated PRO polypeptide useful for tissue typing, modulating



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Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560

Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400

Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 15

ADE50089

ID ADE50089 standard; cDNA; 3143 BP.

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AC ADE50089;  
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DT 29-JAN-2004 (first entry)  
XX  
DE Human cDNA encoding secreted/transmembrane protein PRO1317.  
XX  
KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;  
KW immune response; cardiac insufficiency disorder; calcium flux;  
KW umbilical vein endothelial cell; bone disorder; cartilage disorder;  
KW arthritis; wound healing; diabetes; skeletal muscle cells; obesity;  
KW Berger disease; nephropathy; Schonlein-Henoch purpura; coeliac disease;  
KW dermatitis; herpetiformis; Crohn's disease; thalassaemia.  
XX  
OS Homo sapiens.  
XX  
PN US2003082626-A1.  
XX  
PD 01-MAY-2003.  
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PF 06-DEC-2001; 2001US-00006116.  
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PR 18-NOV-1998; 98US-0108852P.  
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PR 18-NOV-1998; 98US-0108904P.  
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PR 15-SEP-1999; 99WO-US021194.  
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PR 15-MAR-2000; 2000WO-US006884.  
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PR 10-NOV-2000; 2000WO-US030873.  
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PR 09-JUL-2001; 2001WO-US021735.  
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PA (GETH ) GENENTECH INC.

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PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;  
PI Gao W, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;  
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
PI Williams PM, Wood WI;

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DR WPI; 2003-765413/72.

DR P-PSDB; ADE50090.

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PT Novel isolated PRO polypeptides useful for tissue typing, modulating  
PT biological activity of cell, as molecular weight markers in protein

Query Match 100.0%; Score 3143; DB 9; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180  
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Db	1081		CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141		TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141		TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201		CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260

Db 1201 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG 1260  
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Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
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OM nucleic - nucleic search, using sw model

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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		Query Match	Length			
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2	153.4	4.9	4157	4	US-08-556-422A-1	Sequence 1, Appli
3	126	4.0	3524	4	US-09-077-940A-3	Sequence 3, Appli
4	125.4	4.0	3692	4	US-09-077-940A-1	Sequence 1, Appli
5	102	3.2	2278	4	US-09-976-594-1002	Sequence 1002, Ap
6	98.6	3.1	121	4	US-09-833-381-202	Sequence 202, App
7	98.6	3.1	2790	4	US-09-254-594-5	Sequence 5, Appli
8	98.6	3.1	3432	4	US-09-254-594-4	Sequence 4, Appli
9	89.8	2.9	2787	4	US-09-254-594-2	Sequence 2, Appli
10	89.8	2.9	3195	4	US-09-254-594-1	Sequence 1, Appli
11	84.2	2.7	4286	4	US-09-976-594-632	Sequence 632, App

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15	78.6	2.5	3560	3	US-08-833-391-59	Sequence 59, Appl
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24	69.8	2.2	2670	3	US-08-833-391-61	Sequence 61, Appl
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45	50.2	1.6	2504	4	US-09-060-610-63	Sequence 63, Appl

#### ALIGNMENTS

#### RESULT 1

US-09-300-958A-24

; Sequence 24, Application US/09300958A

; Patent No. 6495319

; GENERAL INFORMATION:

; APPLICANT: McClelland, Michael

; APPLICANT: Welsh, John

; APPLICANT: Trenkle, Thomas

; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of

; TITLE OF INVENTION: Using Same

; FILE REFERENCE: P-PH 3457

; CURRENT APPLICATION NUMBER: US/09/300,958A

; CURRENT FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/083,331

; PRIOR FILING DATE: 1998-04-27

; PRIOR APPLICATION NUMBER: 60/098,070

; PRIOR FILING DATE: 1998-08-27

; PRIOR APPLICATION NUMBER: 60/118,624



; PRIOR FILING DATE: 1999-02-04  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 24  
; LENGTH: 2433  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-300-958A-24

Query Match 7.3%; Score 230; DB 4; Length 2433;  
Best Local Similarity 50.2%; Pred. No. 4.5e-51;  
Matches 906; Conservative 0; Mismatches 805; Indels 93; Gaps 10;

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Db     293  CCGCCTTCAGCCCCCTGTGTGCTTACATTACATAGCGAGCTTTACTTTAGCCCAAGATG 352

Qy      598 CGGAGGACAAGGTCAT-----GGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     353  AGGCCGGTAATGTCATTCTGGAGGATGGCAAGGGTCATTGTCCCTTTGACCCCAACTTCA 412

Qy      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCTTGG 711
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     413  AGTCCACGGCTCTGGTGGTTGATGGTGAGCTGTACACTGGAACAGTCAGTAGCTTCCAGG 472

Qy      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCAGCCTGTCCTCAAGACCGACAAC 771
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     473  GAAACGACCCAGCCATTTCCCGGAGCCAGAGTTCCCGCCC---CACCAAGACTGAGAGCT 529

Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCG 831
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     530  CCCTCAACTGGCTACAAGACCCTGCCTTTGTGGCCTCGGCTACGTCCCCCGAGAGCCTGG 589

Qy      832 -----TCTACTTCTTCTTCGAGGAGACAGCCAGCGAGT 864
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     590  GCAGCCCCATAGGTGATGATGATAAGATCTACTTCTTCTCAGCGAGACGGGCCAGGAGT 649

Qy      865 TTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGG 924
          | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     650  TTGAGTTCTTTGAGAACACCATCGTGTCCCGAGTTGCCCGAGTCTGTAAGGGCGATGAGG 709
```

Qy	925	GCGGCGAAAAGCTGCTGCAGAAGAAGTGGACACCTTCCTGAAGGCCAGCTGCTCTGCA	984
Db	710	GTGGAGAGCGGGTGTTCAGCAACGCTGGACCTCCTTTCTCAAGGCTCAGCTCCTGTGCT	769
Qy	985	CCCAGCCGGGGCA---GCTGCCCTTCAACGTCATCCGCCACGCGGTCTGCTCCCCGCGG	1041
Db	770	CCCGGCCTGATGATGGCTTTCCCTTTAACGTGCTACAAGATGTCTTCACCCTGAACCCCA	829
Qy	1042	ATTCTCCCACAGCTCCCCACATCTA-----CGCAGTCTTCACCTCCCAGTGGCAGGTTG	1095
Db	830	ACCCTCAGGATTGGCGCAAGACCTTTTCTATCGGGTCTTTACCTCCCAGTGGCACAGAG	889
Qy	1096	GCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACATTGAACGTGTCTTTA	1155
Db	890	GGACCACAGAAGGCTCTGCCATCTGCGTCTTCACCATGAATGATGTGCAGAAGGCCCTTTG	949
Qy	1156	AGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTACTTATAGGGGCCCTG	1215
Db	950	ACGGCCTGTACAAGAAAGTAAACAGAGAGACACAGCAGTGGTATACCGAGACCCACCAGG	1009
Qy	1216	AGACCAACCCCCGCCAGGCAGTTG-----CT	1242
Db	1010	TGCCCACACCGCGCGCGGGAGCGTGCATTACCAACAGTGGCCGGGAACGGAAGATCAACT	1069
Qy	1243	CAGTGGGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATG	1302
Db	1070	CGTCCCTGCAGCTCCCAGACCGAGTGTGTAAGTTCCTCAAGGATCACTTCTTGATGGATG	1129
Qy	1303	AGCAAGTGGTGGGGACGCCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAG	1362
Db	1130	GGCAGGTCCGCAGTCGCTGCTGCTGCTGCAGCCAGAGCCCGCTACCAGCGTGTGGCTG	1189
Qy	1363	TGGAGACAGCCAGGGCCTTGATGGGCACAGCCATCTTGTGATGTACCTGGGAACACCA	1422
Db	1190	TGCACCGTGTGCCTGGCCTGCACAG---CACTTATGATGTCTTATTTCTGGGCACTGGTG	1246
Qy	1423	CAGGGTCGCTCCACAAGGCTGTGGTAAGTGGGGACAGCAGTGTCTGCTGCTGGAAGAGA	1482
Db	1247	ATGGCCGCCTGCACAAAGCAGTG---ACCCTGAGCTCCAGAGTCCACATCATTGAGGAGC	1303
Qy	1483	TTCAGCTGTTCCCTGACCCTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTG	1542
Db	1304	TGCAGATCTTCCCTCAAGGACAGCCTGTGCAGAACCTGCTCTTGGACAGCCATGGGGGAC	1363
Qy	1543	CAGTGTGTTGTAGGCTTCTCAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCT	1602
Db	1364	TGTTGTATGCCTCCTCCCATTCCGGGGTGGTGCAAGTGCCCGTAGCCAACTGCAGCCTGT	1423
Qy	1603	ATGAGAGCTGTGTGGACTGTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCCTGAGT	1662
Db	1424	ACCCAACCTGTGGAGACTGCCTCCTGGCTCGAGACCCCTACTGCGCCTGGACTGGCTCTG	1483
Qy	1663	CCCGAACCTGTTGCCTCCTGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGC	1722
Db	1484	CCTGCAGGCTCGCTAGCCTCTACCAGCCTGATCTGGCCTCCAGGCCATGGACCCAGGACA	1543
Qy	1723	GGGGGAACCCAGAGTGGGCATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGA	1782

```

      | |   |           | |           |   | | | |
Db      1544 TTGAGGGTGCCAGTGTCAAGGAACCTCTGCAAGAATTCCTCATACAAGGCCCGGTTTCTTG 1603

Qy      1783 GCCGCCCCGCAATCATTAAAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCT 1842
      |   |           | | | | | | | | |   | | | | |   | | | |
Db      1604 TGCCAGGTAAGCCATGTAAACAAGTCCAGATCCAACCAAACACAGTGAACACCCTGGCCT 1663

Qy      1843 GCCCCCACCTGTCAGCCTTGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAG 1902
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      1664 GCCCACTCCTCTCAAACCTGGCCACTCGGCTCTGGGTGCACAATGGAGCCCCAGTCAATG 1723

Qy      1903 AAGCCTCTTCCACTGTCTA-----CAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAG 1956
      | | | | |   |   | | | | | | | | | | | | | |
Db      1724 CCTCTGCCTCCTGCCGCGTGTACCCACCGGGGACCTGCTGCTGGTGGGCAGCCAGCAGG 1783

Qy      1957 TTGGGGGTCTCTACCAGTGCTGGGCAACTGAGAATGGCTTTTCATACCCTGTGATCTCCT 2016
      |   | | | | | | | | | | | | | | | | | | | | |
Db      1784 GTTTGGGGGTGTTCCAGTGTTGGTCGATAGAAGAAGGATTCCAGCAGCTTGTGGCCAGCT 1843

Qy      2017 ACTG 2020
      | | | |
Db      1844 ACTG 1847

```

## RESULT 2

US-08-556-422A-1

; Sequence 1, Application US/08556422A

; Patent No. 6576754

; GENERAL INFORMATION:

; APPLICANT: HALL, Kathryn T.

; APPLICANT: FREEMAN, Gordon J.

; APPLICANT: SCHULTZE, Joachim L.

; APPLICANT: BOUSSIOTIS, Vassiliki

; APPLICANT: NADLER, Lee M.

; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING CD100 MOLECULES

; FILE REFERENCE: DFN-005CPA2

; CURRENT APPLICATION NUMBER: US/08/556,422A

; CURRENT FILING DATE: 1995-11-09

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 4157

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (88)...(2673)

US-08-556-422A-1

Query Match 4.9%; Score 153.4; DB 4; Length 4157;

Best Local Similarity 50.0%; Pred. No. 1.4e-30;

Matches 743; Conservative 0; Mismatches 636; Indels 108; Gaps 10;

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Qy      270 TTCCACCAGAAGGGCCTCCAGGATTTTGACACTCTGCTCCTGAGTGGTGATGGAAATACT 329
      | | | | | | | | | | | | | | | | | | | | |
Db      211 TTTATGAGCCAGACATCTACAACTACTCAGCCTTGCTGCTGAGCGAGGACAAGGACACC 270

```

Qy 330 CTCTACGTGGGGGCTCGAGAAGCCATTCTGGCCTTGGATATCCAGGATCCAGGGGTCCCC 389  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 271 TTGTACATAGGTGCCCGGGAGGC-----GGTCTTCGCTGTGAACGCACTCAACATCTCC 324

Qy 390 AGGCTAAAGAACATGATACCGTGGCCAGCCAGTGACAGAAAAAGAGTGAATGTGCCTTT 449  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 325 GAGAAGCAGCATGAGGTGTATTGGAAGGTCTCAGAAGACAAAAAGCAAAATGTGCAGAA 384

Qy 450 AAGAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAAT 509  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 385 AAGGGGAAATCAAAACAGACAGAGTGCCTCAACTACATCCGGGTGCTGCAGCCACTCAGC 444

Qy 510 GTCACCCATCTCTACACCTGCGGCACCTTCGCCCTCAGCCCTGCTTGTACCTTCATTGAA 569  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 445 GCCACTTCCCTTTACGTGTGTGGGACCAACGCATTCCAGCCGGCTGTGACCACCTGAAC 504

Qy 570 CTTCAAGATTCCCTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAAGGCCAA 629  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 505 TTAACATCCTTTAAGTTTCTGGGGAAAAATGAAGAT-----GGCAAAGGAAGA 552

Qy 630 AGCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCT 689  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 553 TGTCCCTTTGACCCAGCACACAGCTACACATCCGTCTGTTGATGGAGAACTTTATTCTG 612

Qy 690 GGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAG 749  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 613 GGGACGTCGTATAATTTTTTGGGAAGTGAACCCATCATCTCCGAAATTCCTCCCACAGT 672

Qy 750 CCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCA 809  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 673 CCTCTGAGGACAGAATATGCAATCCCTTGGCTGAACGAGCCTAGTTTCGTGTTTGCTGAC 732

Qy 810 GCCATCCCTTCGACCCAGGTC-----GTCTACTTCTTCTTC 845  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 733 GTGATCCGAAAAAGCCAGACAGCCCCGACGGCGAGGATGACAGGGTCTACTTCTTCTTC 792

Qy 846 GAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGA 905  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 793 ACGGAGGTGTCTGTGGAGTATGAGTTTGTGTTTCAGGGTGTGATCCCACGGATAGCAAGA 852

Qy 906 GTCTGCAAGAATGACGTGGGCGGCGAAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTG 965  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 853 GTGTGCAAGGGGGACAGGGCGGCTGAGGACCTTGCAAGAAGAAATGGACCTCCTTCCTG 912

Qy 966 AAGGCCAGCTGCTCTGCACCCAGCCGG---GGCAGCTGCCCTTCAACGTCATCCGCCAC 1022  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 913 AAAGCCCGACTCATCTGCTCCCGCCAGACAGCGGCTTGGTCTTCAATGTGCTGCGGGAT 972

Qy 1023 GCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCC 1082  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 973 GTCTTCGTGCTCAGGTCCCCGGGCTGAAGGTGCCTGTGTTCTATGCACTCTTCACCCCA 1032

Qy 1083 CAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACATT 1142  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 1033 CAGCTGAACAACGTGGGGCTGTGCGCAGTGTGCGCCTACAACCTGTC---CACAGCCGAG 1089

Qy 1143 GAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAG-----AACTTCACGC 1193

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Db      1090  ||      |||      | |||| ||||      ||      | || ||      |
1090  GAGGTCTTCTCCACGGGAAGTACATGCAGAGCACCACAGTGGAGCAGTCCCACACCAAG 1149

Qy      1194  TGGACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGC--- 1250
      |||      ||||      |||| |      |||| || |||| ||      ||      ||
Db      1150  TGGGTGCGCTATAATGGCCCGGTACCCAAGCCGCGGCCCTGGAGCGTGCATCGACAGCGAG 1209

Qy      1251  -----CCCTCCTCTGATAAGGCCCTGACCTTCATG 1280
      |      | || ||| | |||      ||| |
Db      1210  GCACGGGCCGCCAACTACACCAGCTCCTTGAATTTGCCAGACAAGACGCTGCAGTTCGTT 1269

Qy      1281  AAGGACCATTTCCTGATGGATGA-----GCAAGTGGTGGGGACGCCCCCTGCTGGTG 1331
      || |||||      ||||| |||||      | || |      | ||| | || |
Db      1270  AAAGACCACCTTTTGATGGATGACTCGGTAACCCCAATAGACAACAGGCCCAGGTTAATC 1329

Qy      1332  AAATCTGGCGTGGAGTATACACGGCTTGCAAGTGGAGACAGCCAGGGCCTTGATGGGCAC 1391
      ||      | ||| | || | || | || |||||      ||||| ||| |||||
Db      1330  AAGAAAGATGTGAACACACCCAGATCGTGGTGGACCGGACCCAGGCCCTGGATGGGAGT 1389

Qy      1392  AGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGGCTGTGGTAAGT 1451
      | || ||||| ||| | || | || | || ||||| || | ||
Db      1390  GTCTATGATGTCATGTTTGTGTCAGCACAGACCGGGGAGCTCTGCACAAAGCCATC---AGC 1446

Qy      1452  GGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTTCAGCTGTTCCCTGACCCTGAACCTGTT 1511
      ||      | || ||| | || | |||| | |||| | ||| ||| || ||
Db      1447  CTCGAGCACGCTGTTTCATCATCTCGAGGAGACCCAGCTCTTCCAGGACTTTGAGCCAGTC 1506

Qy      1512  CGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGT-----AGGCTTCTCAGGA 1565
      | | ||||| |||| | || | |||| | |||| | |||
Db      1507  CAGACCTGCTGCTGTCTTCAAAGAAGGGCAACAGGTTTGTCTATGCTGGCTCTAACTCG 1566

Qy      1566  GGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACTGTGTC 1625
      || ||      || || | ||| |||| | || | ||| | ||||| ||||
Db      1567  GCGTGGTCCAGGCCCCGCTGGCCTTCTGTGGGAAGCACGGCACCTGCGAGGACTGTGTG 1626

Qy      1626  CTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTG 1672
      || || ||||| |||| | |||| | ||| | ||||
Db      1627  CTGGCGCGGGACCCCTACTGCGCCTGGAGCCCGCCACAGCGACCTG 1673

```

# RESULT 3

US-09-077-940A-3

; Sequence 3, Application US/09077940A

; Patent No. 6576441

; GENERAL INFORMATION:

; APPLICANT: KIMURA, Toru et al.

; TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME

; FILE REFERENCE: 0020-4426P

; CURRENT APPLICATION NUMBER: US/09/077,940A

; CURRENT FILING DATE: 1998-06-05

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 3

; LENGTH: 3524

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

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; NAME/KEY: 5'UTR
; LOCATION: (1)..(38)
; OTHER INFORMATION:
; NAME/KEY: 3'UTR
; LOCATION: (2706)..(3524)
; OTHER INFORMATION:
; NAME/KEY: CDS
; LOCATION: (39)..(2702)
; OTHER INFORMATION:
US-09-077-940A-3
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Query Match          4.0%; Score 126; DB 4; Length 3524;
Best Local Similarity 55.3%; Pred. No. 2.5e-23;
Matches 315; Conservative 0; Mismatches 240; Indels 15; Gaps 3;
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Qy      450 AAGAAGAAGAGCAATGAGACACAGTGTTCACCTTCATCCGTGTCCTGGTTTCTTACAAT 509
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      390 ATGAAGGGCAAACAGGAGGGCGAGTGTGCGAAACTTCGTAAAGGTGCTGCTCCTTCGGGAC 449

Qy      510 GTCACCCATCTCTACACCTGCGGCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAA 569
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      450 GAGTCCACGCTCTTTGTGTGCGGTTCCAACGCCCTCAACCCGGTGTGCGCCAACTACAGC 509

Qy      570 CTTCAAGATTCTTACCTGTTGCCCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAA 629
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      510 ATAGA-----CACCTGCAGCCCGTCGGAGACAA-----CATCAGCGGTATGGCCCGC 557

Qy      630 AGCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCT 689
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      558 TGCCCGTACGACCCCAAGCACGCCAATGTTGCCCTCTTCTCTGACGGGATGCTCTTCACA 617

Qy      690 GGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAG 749
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      618 GCTACTGTTACCGACTTCCTAGCCATTGATGCTGTCTATCTACCGCAGCCTCGGGGACAGG 677

Qy      750 CCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCA 809
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      678 CCCACCTGCGCACCGTGAAACATGACTCCAAGTGTTCAAAGAGCCTTACTTTGTCCAT 737

Qy      810 GCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGAC 869
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      738 GCGGTGGAGTGGGGCAGCCATGTCTACTTCTTCTTCCGGGAGATTGCGATGGAGTTTAAC 797

Qy      870 TTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGC 929
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      798 TACCTGGAGAAGGTGGTGGTGTCCCGCGTGGCCGAGTGTGCAAGAACGACGTGGGAGGC 857

Qy      930 GAAAAGC---TGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCAGCTGCTCTGCACC 986
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      858 TCCCCCGCGTGCTGGAGAAGCAGTGGACGTCCTTCCTGAAGGCGCGGCTCAACTGCTCT 917

Qy      987 CAGCCGGGGCAGCTGCCCTTCAACGTCATC 1016
          | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      918 GTACCCGGGAGACTCCCATTTCTACTTCAAC 947
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RESULT 4

US-09-077-940A-1  
; Sequence 1, Application US/09077940A  
; Patent No. 6576441  
; GENERAL INFORMATION:  
; APPLICANT: KIMURA, Toru et al.  
; TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME  
; FILE REFERENCE: 0020-4426P  
; CURRENT APPLICATION NUMBER: US/09/077,940A  
; CURRENT FILING DATE: 1998-06-05  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 3692  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: (1)..(18)  
; OTHER INFORMATION:  
; NAME/KEY: CDS  
; LOCATION: (19)..(2682)  
; OTHER INFORMATION:  
; NAME/KEY: 3'UTR  
; LOCATION: (2683)..(3653)  
; OTHER INFORMATION:  
; NAME/KEY: polyA\_site  
; LOCATION: (3654)..(3692)  
; OTHER INFORMATION:  
US-09-077-940A-1

Query Match 4.0%; Score 125.4; DB 4; Length 3692;  
Best Local Similarity 58.5%; Pred. No. 3.7e-23;  
Matches 238; Conservative 0; Mismatches 166; Indels 3; Gaps 1;

Qy	611	CATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGT	670
Db	522	CATCAGTGGTATGGCCCGCTGCCCTACGACCCCAAGCATGCCAATGTCGCCCTCTTCTC	581
Qy	671	GGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGAT	730
Db	582	AGATGGGATGCTCTTCACAGCCACAGTAACTGACTTCCTAGCCATCGACGCTGTTATCTA	641
Qy	731	GCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCA	790
Db	642	CCGTAGCCTTGGGGACCGGCCACACTGCGCACAGTAAAGCATGACTCCAAGTGGTTTAA	701
Qy	791	TGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGA	850
Db	702	AGAGCCATACTTTGTGCATGCGGTGGAGTGGGGAAGCCACGTCTACTTCTTCTCCGGGA	761
Qy	851	GACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTG	910
Db	762	GATCGCCATGGAGTTTAACTATCTGAAAAGGTGGTGGTGTCCCGTGTGGCCCGTGTATG	821
Qy	911	CAAGAATGACGTGGGCGG---CGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAA	967
Db	822	CAAGAATGATGTGGGCGGCTCCCCACGGGTGCTGGAGAAGCAGTGGACTTCCTTCCTGAA	881

Qy 968 GGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA 1014  
 ||||| ||| |||| | ||| ||| | |||| || |||  
 Db 882 GGCCCGGCTCAACTGCTCCGTGCCTGGGGACTCACACTTCTACTTCA 928

RESULT 5

US-09-976-594-1002

; Sequence 1002, Application US/09976594

; Patent No. 6673549

; GENERAL INFORMATION:

; APPLICANT: Furness, Michael

; APPLICANT: Buchbinder, Jenny

; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

; FILE REFERENCE: PA-0041 US

; CURRENT APPLICATION NUMBER: US/09/976,594

; CURRENT FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240,409

; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 1143

; SOFTWARE: PERL Program

; SEQ ID NO 1002

; LENGTH: 2278

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; OTHER INFORMATION: Incyte ID No. 6673549 411373.7

US-09-976-594-1002

Query Match 3.2%; Score 102; DB 4; Length 2278;  
 Best Local Similarity 50.0%; Pred. No. 4.9e-17;  
 Matches 339; Conservative 0; Mismatches 330; Indels 9; Gaps 3;

Qy 618 GGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTGGATGGG 677  
 |||| | | | |||| | ||| || | | | |||||  
 Db 761 GGAATGGCCAGATGCCCATATGATGCCAAACATGCCAACGTTGCACTGTTTGCAGATGGA 820

Qy 678 ATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATGCGCACA 737  
 | || || || | || ||| ||||| | || || | || | || |  
 Db 821 AAATACTACTCAGCCACAGTGACTGACTTCCTTGCCATTGACGCACTCATTTACCGGAGT 880

Qy 738 CTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCATGACGCC 797  
 || ||| ||| ||| |||| ||| | | || |  
 Db 881 CTTGGAGAAAGCCCTACCTGCGGACCGTCAAGCACGATTCAAAATGGTTGAAAGAACCA 940

Qy 798 TCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGACAGCC 857  
 | ||||| |||| | || | ||||| ||||| ||| |||  
 Db 941 TACTTTGTTCAAGCCGTGGATTACGGAGATTATATCTACTTCTTCTTCAGGGAAATAGCA 1000

Qy 858 AGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAAGAAT 917  
 |||| | || | | | | | | ||||| || || |||||  
 Db 1001 GTGGAGTATAACACCATGGGAAAGGTAGTTTTCCTCAAGAGTGGCTCAGGTTTGTAAAGAAT 1060

Qy 918 GACGTGGGCGG---CGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCCCCAG 974  
 || |||| || || | ||| |||| | ||||| |||||



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Db      1061 GATATGGGAGGATCTCAAAGAGTCCTGGAGAAACAGTGGACGTCGTTCTGAAGGCGCGC 1120
Qy      975 CTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCCACGCGGTCCTGCTC 1034
      || |||| | || || | || | || | || |
Db     1121 TTGAAC TGCTCAGTTCCTGGAGACTCTCATTTTTATTTC AACATTCTCCAGGCAGTTACA 1180
Qy     1035 CCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCTCCAGTGGCAGGTT 1094
      | | | || | | | | | | | | | | |
Db     1181 GATGTGATTCTGTATCAACGGGCGTGATGT---TGTCCTGGCAACGTTTTCTACACCTTAT 1237
Qy     1095 GGC GGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGACATTGAACGTGTCTTT 1154
      | | | | | |||| | |||| | | | |||| | || |
Db     1238 AACAGCATCCCTGGGTCTGCAGTCTGTGCCTATGACATGCTTGACATTGCCAGTGTTTTT 1297
Qy     1155 AAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTAC---TTATAGGGGC 1211
      | |||| | | || | || | || | |||| | | | |
Db     1298 ACTGGGAGATTCAAGGAACAGAAGTCTCCTGATTCCACCTGGACACCAGTTCCTGATGAA 1357
Qy     1212 CCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTGATAAGGCCCTG 1271
      | | | | || |||| | || | | |||| | | |
Db     1358 CGAGTTCCTAAGCCCAGGCCAGGTTGCTGTGCTGGCTCATCCTCCTTAGAAAGATATGCA 1417
Qy     1272 ACCTTCATGAAGGACCAT 1289
      |||| | | || | |
Db     1418 ACCTCCAATGAGTTCCT 1435

```

# RESULT 6

US-09-833-381-202

; Sequence 202, Application US/09833381

; Patent No. 6672186

; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.

; TITLE OF INVENTION: No. 6672186e1 Nucleic Acid and Protein Homologs

; FILE REFERENCE: 5800-119

; CURRENT APPLICATION NUMBER: US/09/833,381

; CURRENT FILING DATE: 2001-04-11

; PRIOR APPLICATION NUMBER: 09/516,448

; PRIOR FILING DATE: 2000-02-29

; NUMBER OF SEQ ID NOS: 2050

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 202

; LENGTH: 121

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-833-381-202

Query Match 3.1%; Score 98.6; DB 4; Length 121;

Best Local Similarity 88.4%; Pred. No. 9e-17;

Matches 107; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

```

Qy      794 CGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAGAC 853
      ||||| ||||| || ||||| |||| | || ||||| |||||
Db      1 CGCCTCCTTTGTGGAAGACATCCCTTCTACCCACGGCGCCTACTTCTTCTTCAGGAGAC 60
Qy      854 AGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGCAA 913
      ||||| |||| | ||||| ||||| || ||||| |||||

```

Db 61 AGCCAGCGAGTTAGACTCTTTTGAGAGGCTCCACACATAATGGTTGGCTAGAGTCTGCAA 120  
Qy 914 G 914  
|  
Db 121 G 121

RESULT 7

US-09-254-594-5

; Sequence 5, Application US/09254594  
; Patent No. 6566094  
; GENERAL INFORMATION:  
; APPLICANT: KIMURA, Toru  
; APPLICANT: KIKUCHI, Kaoru  
; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y  
; FILE REFERENCE: 0020-4527P  
; CURRENT APPLICATION NUMBER: US/09/254,594  
; CURRENT FILING DATE: 1999-05-11  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 2790  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: ()..()  
; OTHER INFORMATION: Tissue Type: Child Brain  
; NAME/KEY: CDS  
; LOCATION: (1)..(2790)  
; OTHER INFORMATION: Identification Method: E  
; NAME/KEY: misc\_feature  
; LOCATION: ()..()  
; OTHER INFORMATION: Identification Method: P for resulting peptide  
US-09-254-594-5

Query Match 3.1%; Score 98.6; DB 4; Length 2790;  
Best Local Similarity 50.1%; Pred. No. 4.3e-16;  
Matches 369; Conservative 0; Mismatches 344; Indels 24; Gaps 4;

Qy 472 AGTGTTCCTCACTTCATCCGTGCTCCTGGTTTCTTACAAATGTCACCCATCTCTACACCTGCG 531  
||||| | ||||| || ||||| || ||||| | | | | ||||| |  
Db 359 AGTGCTACAACTATATTCGTGTTCTTGTTCCTGGGACTCCCAGACGCTCCTTGCCTGTG 418  
  
Qy 532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591  
| || | | ||||| || | | | | | | | | | ||  
Db 419 GAACGAACTCATTCAGCCCTGTGTGCCGAGCTATGGGAT-----AACTTCGC 466  
  
Qy 592 CCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651  
||||| ||| || || | | | | ||||| || | ||  
Db 467 TGCAGCAGGAGGGTGAGGAACTGAGTGGGCAGGCTCGATGCCCTTTGATGCCACCCAGT 526  
  
Qy 652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711  
| ||| |||| | || || | || || || | || || || ||  
Db 527 CCAACGTGGCCATCTTGCAGAGGGCAGCCTGTACTCAGCCACAGCTGCGGATTTCAGG 586  
  
Qy 712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771

```

      ||||| | | | | | | | | | | | | | | | | | | | |
Db      587 CCAGTGATGCTGTAGTTTACAGAAGCCTTGGGCCCCAGCCCCACTCCGCTCCGCCAAGT 646
Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCG 831
      | | | | | | | | | | | | | | | | | | | |
Db      647 ATGACTCCAAGTGGCTCCGAGAGCCACACTTTGTCCAGGCCTTGGAGCATGGAGACCATG 706
Qy      832 TCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACAT 891
      ||||| ||||| | | | | | | | | | | | | | | | |
Db      707 TCTACTTCTTCTTCCGCGAGGTCTCTGTGGAGGATGCTCGGCTGGGGAAGGTGCAGTTCT 766
Qy      892 CGCGGGTGGCTAGAGTCTGCAAGAAATGACGTGGGCGGCGAAAAGCTG---CTGCAGAAGA 948
      | | | | | | | | | | | | | | | | | | | |
Db      767 CCCGCGTAGCCCAGTATGTAAACGTGACATGGGCGGCTCGCCTCGGGCCTTGACCGCC 826
Qy      949 AGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCA 1008
      | |||| | ||||| | | | | | | | | | | | | | |
Db      827 ACTGGACATCCTTCCTGAAGCTTCGGCTCAACTGCTCTGTCCCTGGGGACTCTACTTTCT 886
Qy     1009 A---CGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCT 1065
      | | | | | | | | | | | | | | | | | | | |
Db      887 ATTTTGATGTTTACAGGCCTTGACTGGGCCTGTGAACCTGCATGGCCGCTCTGCTCTCT 946
Qy     1066 ACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT 1125
      | ||||| | |||| | | | | | | | | | | | | | |
Db      947 TTGGGGTCTTCACCACCCAGACCAA-----TAGCATCCCTGGCTCTGCCGCTCTGCGCCT 1000
Qy     1126 TCTCTCTCTTGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAA 1185
      ||| || | | |||| | || | | | | | | | | | |
Db     1001 TCTACCTGGATGAGATTGAGCGTGGGTTTGAGGGCAACTTCAAGGAGCAGAGGAGTCTGG 1060
Qy     1186 CTTACGCTGGACTACT 1202
      | | ||||| ||
Db     1061 ATGGGGCCTGGACTCCT 1077

```

RESULT 8

US-09-254-594-4

; Sequence 4, Application US/09254594

; Patent No. 6566094

; GENERAL INFORMATION:

; APPLICANT: KIMURA, Toru

; APPLICANT: KIKUCHI, Kaoru

; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y

; FILE REFERENCE: 0020-4527P

; CURRENT APPLICATION NUMBER: US/09/254,594

; CURRENT FILING DATE: 1999-05-11

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4

; LENGTH: 3432

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: ()..()

; OTHER INFORMATION: Tissue Type: Child Brain

```

; NAME/KEY: 5'UTR
; LOCATION: (1)..(187)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: misc_feature
; LOCATION: (188)..(2977)
; OTHER INFORMATION: CDS; Identification Method: E
; NAME/KEY: 3'UTR
; LOCATION: (2978)..(3407)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: polyA_signal
; LOCATION: (3408)..(3432)
; OTHER INFORMATION: Identification Method: E
US-09-254-594-4

```

```

Query Match          3.1%; Score 98.6; DB 4; Length 3432;
Best Local Similarity 50.1%; Pred. No. 4.8e-16;
Matches 369; Conservative 0; Mismatches 344; Indels 24; Gaps 4;

```

```

Qy      472 AGTGTTCCTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
          |||| | |||| | || |||| | || | | | | | || | |||| |
Db      546 AGTGCTACAACATATTCGTGTTCTTGTTCCTGGGACTCCAGACGCTCCTTGCCCTGTG 605

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTTACCTGTTGC 591
          | || | | |||| |||| | || | | | | | | | | | | ||
Db      606 GAACGAACATTCAGCCCTGTGTGCCGCAGCTATGGGAT-----AACTTCGC 653

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGAAAAGGCCAAAGCCCTTTGACCCCGCTCACA 651
          |||| | || | || | | | | | |||| || | ||
Db      654 TGCAGCAGGAGGGTGAGGAAGTGTGGGAGGCTCGATGCCCTTTGATGCCACCCAGT 713

Qy      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGG 711
          | || | |||| | || | | | || | || | | || | || ||
Db      714 CCAACGTGGCCATCTTTGCAGAGGGCAGCCTGTACTCAGCCACAGCTGCGGATTTCCAGG 773

Qy      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771
          |||| | | | | | | | || || || || || || || || ||
Db      774 CCAGTGATGCTGTAGTTTACAGAAGCCTTGCGCCCCAGCCCCACTCCGCTCCGCCAAGT 833

Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCG 831
          | | | | || | || | |||| | || | | | | | | | |
Db      834 ATGACTCCAAGTGGCTCCGAGAGCCACACTTTGTCCAGGCCTTGAGCATGGAGACCATG 893

Qy      832 TCTACTTCTTCTTCGAGGAGACAGCCAGCAGTTTGACTTCTTTGAGAGGCTCCACACAT 891
          |||| |||| || || | || | || | || | || | || | ||
Db      894 TCTACTTCTTCTTCCGCGAGGTCTCTGTGGAGGATGCTCGGCTGGGGAAGGTGCAGTTCT 953

Qy      892 CGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGAAGA 948
          | || | || || || | || | |||| |||| || | | || |
Db      954 CCCGCGTAGCCCGAGTATGTAAACGTGACATGGGCGGCTCGCCTCGGGCCTTGACCCGCC 1013

Qy      949 AGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCA 1008
          | |||| | |||| |||| | || | |||| | || | || |
Db      1014 ACTGGACATCCTTCCTGAAGCTTCGGCTCAACTGCTCTGTCCCTGGGGACTCTACTTTCT 1073

Qy      1009 A---CGTCATCCGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCT 1065
          | | | | | || || | || | || | | | | | | | | |
Db      1074 ATTTTGATGTTTTACAGGCCTTGACTGGGCCTGTGAACCTGCATGGCCGCTCTGCTCTCT 1133

```

Qy	1066	ACGCAGTCTTACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT	1125
Db	1134	TTGGGGTCTTACCACCCAGACCA-----TAGCATCCCTGGCTCTGCCGTCTGCGCCT	1187
Qy	1126	TCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAA	1185
Db	1188	TCTACCTGGATGAGATTGAGCGTGGGTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGG	1247
Qy	1186	CTTCACGCTGGACTACT	1202
Db	1248	ATGGGGCCTGGACTCCT	1264

US-09-254-594-2

; Patent No. 6566094

; APPLICANT: KIMURA, Toru

; APPLICANT: KIKUCHI, Kaoru

; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y

FILE REFERENCE: 0020-4527P

; CURRENT APPLICATION NUMBER: US/09/254,594

; CURRENT FILING DATE: 1999-05-11

; NUMBER OF SEO ID NOS: 13

```

; SOFTWARE: PatentIn version 3.0

```

; SEO ID NO 2

```

; LENGTH: 2787

```

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; TYPE: DNA

```

```
; ORGANISM: Rattus norvegicus
```

; FEATURE:

```
; NAME/KEY: misc feature
```

LOCATION: ( ) . . ( )

```

; OTHER INFORMATION: Tissue Type: Brain

```

; NAME/KEY: CDS

; LOCATION: (1)..(2787)

OTHER INFORMATION: Identification Method: E

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; NAME/KEY: misc feature
```

; LOCATION: ()..()

; OTHER INFORMATION: Identification Method: P for resulting peptide

US-09-254-594-2

Query Match 2.9%; Score 89.8; DB 4; Length 2787;

Best Local Similarity 50.1%; Pred. No. 9.5e-14;

Matches 369; Conservative 0; Mismatches 347; Indels 21; Gaps 5;

Qy	472	AGTGTTC	CAACTTC	CATCCGT	GTCCTGG	TTTCTT	ACAATGT	CACCCAT	CTCTAC	ACCTGCG	531
Db	356	AATGCTA	CAACTAC	ATCCGTG	TTCTTG	TTCCTGG	GACTCGC	CAGACAC	TCTTGC	CTGTG	415
Qy	532	GCACCTT	CGCCTT	CAGCCCT	GCTTGT	ACCTTCA	TGAACTT	CAAGATT	CCTACCT	GTTGC	591
Db	416	GAACAAAT	TCTTCAG	CCCTGTG	TGTGTC	GAGCTAT	GGGATAA	CATCTCT	GCAAC	-----	469
Qy	592	CCATCTC	GGAGGAC	AAGGTC	CATGGAG	GGGAAA	AGGCCAA	AGCCCCT	TTTGAC	CCGCTC	651

```

Db      470 -----AGGAGGGTGAGGAGCTGAGTGGGCAAGCTCGATGCCCCCTTTGATGCCACCCAGT 523
QY      652 AGCATACGGCTGTCTTGTTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      524 CCACTGTGGCCATCTCTGCAGAGGGTAGTTTGTACTCAGCCACAGCAGCAGATTTCCAGG 583
QY      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      584 CCAGTGATGCTGTGGTTTACAGAAGCCTTGGACCTCAGCCCCCACTCCGTTCTGCAAAGT 643
QY      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCAT---CCCTTCGACCCAGG 828
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      644 ATGACTCCAAGTGGCTTCGAGAGCCACACTTTGTCTATGCTTTGGAGCATGGAGACCATG 703
QY      829 TCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACA 888
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      704 TCTACTTCTTTCTTCCGGAGAAGTCTCTGTGGAGGACGCCCCGGCCTGGGGAGGGTGCAGT 763
QY      889 CATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGA 945
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      764 TTTCCCGGGTGGCCCCGGGTGTGTAAACGTGACATGGGTGGCTCACCACGGGCTTGGATC 823
QY      946 AGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCT 1005
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      824 GCCACTGGACATCCTTCCTTAAGCTGAGGCTCAACTGCTCCGTCCCTGGGGACTCTACCT 883
QY      1006 TCAACGTCATCCGCCACGCGTCTGCTCCCCGCGGATTCTCCCACAGCTCCCCACATCT 1065
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      884 TCTAC-TTTGATGTCTTACAGTCCTTAAGTGGGCTGTGAACCTGCATGGGCGCTCTGC- 941
QY      1066 ACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT 1125
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      942 -CCTCTTTGGGGTCTTCACTACTCAGACCAATAGCATTCCTGGGTCTGCAGTCTGCGCCT 1000
QY      1126 TCTCTCTCTTGACATTGAACGTGTCTTAAAGGGGAAATACAAAGAGTTGAACAAAGAAA 1185
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      1001 TCTACCTAGATGACATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGG 1060
QY      1186 CTTACGCTGGACTACT 1202
      | | | | | | | |
Db      1061 ATGGGGCCTGGACTCCT 1077

```

RESULT 10

US-09-254-594-1

; Sequence 1, Application US/09254594

; Patent No. 6566094

; GENERAL INFORMATION:

; APPLICANT: KIMURA, Toru

; APPLICANT: KIKUCHI, Kaoru

; TITLE OF INVENTION: NOVEL SEMAPHORIN GENE: SEMAPHORIN Y

; FILE REFERENCE: 0020-4527P

; CURRENT APPLICATION NUMBER: US/09/254,594

; CURRENT FILING DATE: 1999-05-11

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 1

```
; LENGTH: 3195
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Tissue Type: Brain
; NAME/KEY: 5'UTR
; LOCATION: (1)..(50)
; OTHER INFORMATION: Identification Method: E
; NAME/KEY: misc_feature
; LOCATION: (51)..(2837)
; OTHER INFORMATION: CDS; Identification Method: E
; NAME/KEY: 3'UTR
; LOCATION: (2838)..(3195)
; OTHER INFORMATION: Identification Method: E
US-09-254-594-1
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Query Match          2.9%; Score 89.8; DB 4; Length 3195;
Best Local Similarity 50.1%; Pred. No. 1e-13;
Matches 369; Conservative 0; Mismatches 347; Indels 21; Gaps 5;
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Qy      472 AGTGTTCACACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
      | || | ||||| ||||| || || | | | || |||||
Db      406 AATGCTACAACCTACATCCGTGTTCTTGTTCCTGGGACTCGCAGACACTCCTTGCCTGTG 465

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591
      | || | ||||| ||||| || | | | | | | | |
Db      466 GAACAAATTCCTTCAGCCCTGTGTGTCGCAGCTATGGGATAACATCTCTGCAAC----- 519

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACA 651
      ||||| ||| || || || | | ||||| || | ||
Db      520 -----AGGAGGGTGAGGAGCTGAGTGGGCAAGCTCGATGCCCCCTTTGATGCCACCCAGT 573

Qy      652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGG 711
      | || | || | || || | || || | || | || ||
Db      574 CCACTGTGGCCATCTCTGCAGAGGGTAGTTTGTACTCAGCCACAGCAGCAGATTTCAGG 633

Qy      712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAAC 771
      ||||| | | | | | | | | ||||| || | || |
Db      634 CCAGTGATGCTGTGGTTTACAGAAGCCTTGGACCTCAGCCCCCACTCCGTTCTGCAAAGT 693

Qy      772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCAT---CCCTTCGACCCAGG 828
      | | | || || || | ||||| || | | | |||||
Db      694 ATGACTCCAAGTGGCTTCGAGAGCCACACTTTGTCTATGCTTTGGAGCATGGAGACCATG 753

Qy      829 TCGTCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACA 888
      || || || | || || | | | | | | ||||| ||
Db      754 TCTACTTCTTCTTCCGGAGAAGTCTCTGTGGAGGACGCCCGGCTGGGGAGGGTGCAGT 813

Qy      889 CATCGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTG---CTGCAGA 945
      || ||||| | || || || ||||| || | | | |||
Db      814 TTTCCCGGTGGCCCGGGTGTGTAAACGTGACATGGGTGGCTCACCACGGGCTTGGATC 873

Qy      946 AGAAGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCT 1005
      | ||||| ||||| || || || || || || || ||
Db      874 GCCACTGGACATCCTTCCTTAAGCTGAGGCTCAACTGCTCCGTCCCTGGGGACTCTACCT 933
```

```

Qy      1006 TCAACGTCATCCGCCACGCGGTCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCT 1065
          || || |   | |   | |||| |   || |   || |   |
Db      934 TCTAC-TTTGATGTCCTTACAGTCCTTAAC TGGGCTGTGAACCTGCATGGGCGCTCTGC- 991

Qy      1066 ACGCAGTCTTCACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCT 1125
          |   |   || |   || |   |   |   |||| | | || ||
Db      992 -CCTCTTTGGGGTCTTCACTACTCAGACCAATAGCATTCCTGGGTCTGCAGTCTGCGCCT 1050

Qy      1126 TCTCTCTCTTGGACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAA 1185
          ||| ||   ||||| ||||| |||| | | ||| || | |
Db      1051 TCTACCTAGATGACATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGG 1110

Qy      1186 CTTCACGCTGGACTACT 1202
          |   ||||| ||
Db      1111 ATGGGGCCTGGACTCCT 1127

```

RESULT 11

US-09-976-594-632

; Sequence 632, Application US/09976594

; Patent No. 6673549

; GENERAL INFORMATION:

; APPLICANT: Furness, Michael

; APPLICANT: Buchbinder, Jenny

; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

; FILE REFERENCE: PA-0041 US

; CURRENT APPLICATION NUMBER: US/09/976,594

; CURRENT FILING DATE: 2001-10-12

; PRIOR APPLICATION NUMBER: 60/240,409

; PRIOR FILING DATE: 2000-10-12

; NUMBER OF SEQ ID NOS: 1143

; SOFTWARE: PERL Program

; SEQ ID NO 632

; LENGTH: 4286

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc\_feature

; OTHER INFORMATION: Incyte ID No. 6673549 238322.6

US-09-976-594-632

```

Query Match          2.7%; Score 84.2; DB 4; Length 4286;
Best Local Similarity 50.3%; Pred. No. 3.6e-12;
Matches 273; Conservative 0; Mismatches 253; Indels 17; Gaps 2;

```

```

Qy      472 AGTGTTCCTCAACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCG 531
          |||| | |||| | | |||| | | || | |   |||   |||| |
Db      611 AGTGCTACAACCTATATTCGTGTTCTTGTTCCTGGGACTCCCAGACGCTCCTTGCCTGTG 670

Qy      532 GCACCTTCGCCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGC 591
          | || | | ||||| || | | || |   | ||
Db      671 GAACGAACTCATTTCAGCCCTGTGTGCCGCAGCTATGGGAT-----AACTTCGC 718

Qy      592 CCATCTCGGAGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACA 651
          |||| | || | | | | | | | | | | | | | |

```



Db 719 TGCAGCAGGAGGGTGAGGAAGTGAAGTGGGCAGGCTCGATGCCCCCTTTGATGCCACCCAGT 778  
 Qy 652 AGCATACGGCTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGG 711  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 779 CCAACGTGGCCATCTTTGCAGAGGGCAGCCTGTACTCAGCCACAGCTGCGGATTTCCAGG 838  
 Qy 712 GCAGTGAGCCCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCT 771  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 839 CCAGTGATGCTGTAGTTTACAGAAGCCTTGGGCCCCAGCCCCACTCCGCTCCGCCAAGT 898  
 Qy 772 TCCTCCGCTGGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCTG 831  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 899 ATGACTCCAAGTGGCTCCGAGAGCCACACTTTGTCCAGGCCTTGAGCATGGAGACCATG 958  
 Qy 832 TCTACTTCTTCTTCGAGGAGACAGCCAGCGAGTTTGAAGTCTTCTTGAGAGGCTCCACACAT 891  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 959 TCTACTTCTTCTTCCGCGAGGTCTCTGTGGAGGATGCTCGGCTGGGGAGGGTGCAGTTCT 1018  
 Qy 892 CGCGGGTGGCTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGA--- 948  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 1019 CCCGCGTAGCCCCAGTATGTAAACGTGACATGGGCGGCTCGCCTTCGGGTCTTGGTACCG 1078  
 Qy 949 --AGTGGACCACCTTCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTT 1006  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 1079 CCACTGGACATCCTTCCTGAAGCTTCGGCTCAACTGCTCTGTCCCTGGGGACTCTACTTT 1138  
 Qy 1007 CAA 1009  
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 Db 1139 CTA 1141

RESULT 12

US-08-121-713D-59

; Sequence 59, Application US/08121713D

; Patent No. 5639856

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/121,713D

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; FILING DATE: 13-SEP-1993
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A.
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: B94-002-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)343-4341
; TELEFAX: (415) 343-4342
; TELEX:
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3560 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1953
US-08-121-713D-59

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Query Match          2.5%; Score 78.6; DB 1; Length 3560;
Best Local Similarity 49.2%; Pred. No. 1e-10;
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

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Qy      612 ATGGAGGGAAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACAACCTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATG 731
      || | | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
      | | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTCGAGGAG 851
      | | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAACTTTGTGAGCTCAATTACGCAGGGCGACTTTGTCTATTTCTTCTTTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
      || || | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTCGCGCGTTGCCCGCGTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
      || | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
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Db      484 CGCCTCAACTGCTCCATTCCCAGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
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Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

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Qy 1077 ACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136  
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 Db 604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy 1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195  
 | | | | | | | | | | | | | | | | | | | | | |  
 Db 658 GACATTGCCGATACGTTTGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAACCTGG 717

Qy 1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTG 1247  
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 Db 718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCCTGTCACAACGATTCTG 777

Qy 1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307  
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 Db 778 AGAGCGCTTCCGGATCCCACACTGAACCTTCATCAAACACATTTCGCTAATGGACGAGAAT 837

Qy 1308 GTGGTGG 1314  
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 Db 838 GTGCCGG 844

RESULT 13

US-08-835-268-59

; Sequence 59, Application US/08835268

; Patent No. 5807826

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/835,268

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)343-4341
; TELEFAX: (415) 343-4342
; TELEX:
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3560 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1953
US-08-835-268-59

```

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Query Match          2.5%; Score 78.6; DB 1; Length 3560;
Best Local Similarity 49.2%; Pred. No. 1e-10;
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

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Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
        | | | ||| | | | ||||| | | | ||||| | | ||| |||
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCAAACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATG 731
        || | ||||| ||||| | | | ||| ||||| | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
        | | | | | ||| ||||| | | | | | | | |
Db      256 -----TACCGGGAGCCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
        | | | ||||| | | | | | | | | ||||| ||||| |||
Db      304 GCACCGAACTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
        || ||| ||||| | | | | | | ||||| || | | |||||
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTCGCGCGTTGCCCGCTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
        || ||| ||||| | | | | | | ||||| ||||| ||| |||
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
        | || |||| | | || | | || ||| | | | |
Db      484 CGCCTCAACTGCTCCATTCCCGGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
        || | ||| | | | | | | | | | ||||| ||||| |||
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAACTGATCTACGGAGTCTTC 603

Qy      1077 ACCTCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
        | | | | | | | | | | ||| ||||| ||||| | | | |
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy      1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195

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Db      658 GACATTGCCGATACGTTTGGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717
Qy      1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTG 1247
      || | | ||| ||| | ||| | | | |
Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCCTGTCACAACGATTCG 777
Qy      1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307
      | | | ||| | |||| ||||| || |||| | | ||||| ||| |
Db      778 AGAGCGCTCCGGATCCCACACTGAACTTCATCAAAACACATTCGCTAATGGACGAGAAT 837
Qy      1308 GTGGTGG 1314
      ||| ||
Db      838 GTGCCGG 844

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RESULT 14

US-09-060-692-59

; Sequence 59, Application US/09060692

; Patent No. 5935865

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/060,692

; FILING DATE:

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; TELEX:

; INFORMATION FOR SEQ ID NO: 59:

; SEQUENCE CHARACTERISTICS:

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;   LENGTH: 3560 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;       NAME/KEY: CDS
;       LOCATION: 1..1953
US-09-060-692-59

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Query Match          2.5%;  Score 78.6;  DB 2;  Length 3560;
Best Local Similarity 49.2%;  Pred. No. 1e-10;
Matches 358;  Conservative 0;  Mismatches 324;  Indels 45;  Gaps 4;

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Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
        | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGCCCATCCTGATG 731
        | | | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAACTGTATTCCGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
        | | | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
        | | | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAACTTTGTGAGCTCATTACGCAGGGCGACTTTGTCTATTTCTTCTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
        | | | | | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTTCGCGCGTTGCCCGCTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
        | | | | | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGCTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
        | | | | | | | | | | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCCCAGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy      1017 CGCCACGCGGTCTTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
        | | | | | | | | | | | | | | | | | | | | | |
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

Qy      1077 ACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTG 1136
        | | | | | | | | | | | | | | | | | | | | | |
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy      1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAAACTTCACGCTG- 1195
        | | | | | | | | | | | | | | | | | | | | | |
Db      658 GACATTGCCGATACGTTTGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717

Qy      1196 -----GACTACTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTG 1247
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Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCCGGTTCTGTCAACGATTTCG 777

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QY 1248 GGCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAA 1307  
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 Db 778 AGAGCGCTTCCGGATCCCACACTGAACCTTCATCAAAACACATTCGCTAATGGACGAGAAT 837  
 QY 1308 GTGGTGG 1314  
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 Db 838 GTGCCGG 844

RESULT 15

US-08-833-391-59

; Sequence 59, Application US/08833391

; Patent No. 6013781

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey S.

; APPLICANT: Kolodkin, Alex L.

; APPLICANT: Matthes, David

; APPLICANT: Bentley, David R.

; APPLICANT: O'Connor, Timothy

; TITLE OF INVENTION: The Semaphorin Gene Family

; NUMBER OF SEQUENCES: 100

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP

; STREET: 268 Bush Street, Suite 3200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/833,391

; FILING DATE:

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/121,713

; FILING DATE: 13-SEP-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Osman, Richard A.

; REGISTRATION NUMBER: 36,627

; REFERENCE/DOCKET NUMBER: B94-002-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 343-4341

; TELEFAX: (415) 343-4342

; TELEX:

; INFORMATION FOR SEQ ID NO: 59:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3560 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS  
; LOCATION: 1..1953  
US-08-833-391-59

Query Match 2.5%; Score 78.6; DB 3; Length 3560;  
Best Local Similarity 49.2%; Pred. No. 1e-10;  
Matches 358; Conservative 0; Mismatches 324; Indels 45; Gaps 4;

```
Qy      612 ATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGGCTGTCTTGGTG 671
      | | | | | | | | | | | | | | | | | | | | | | | |
Db      139 AAGAACGGACAGGCGGTGTGCCCTACGATCCACGTCACAACTCCACCTCTGTGCTGGCC 198

Qy      672 GATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGCCCATCCTGATG 731
      | | | | | | | | | | | | | | | | | | | | | |
Db      199 GACAACGAAGTGTATTCGGGTACCGTGGCGGATTTTCAGTGGCAGCGATCCGATTATC--- 255

Qy      732 CGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCTGGCTGCATCAT 791
      | | | | | | | | | | | | | | | | | | | | | |
Db      256 -----TACCGGGAGCCCCCTGCAGACCGAGCAGTACGATAGCCTAAGTCTCAAC 303

Qy      792 GACGCCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCTTCTTCGAGGAG 851
      | | | | | | | | | | | | | | | | | | | | | |
Db      304 GCACCGAAGTTTGTGAGCTCATTTACGCAGGGCGACTTTGTCTATTTCTTCTTTCGGGAA 363

Qy      852 ACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGGCTAGAGTCTGC 911
      | | | | | | | | | | | | | | | | | | | | | |
Db      364 ACCGCCGTTGAGTTTATCAACTGTGGCAAGGCGATTTATTCGCGCGTTGCCCGCGTCTGC 423

Qy      912 AAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCTTCCTGAAGGCC 971
      | | | | | | | | | | | | | | | | | | | | | |
Db      424 AAATGGGACAAAGGTGGCCCGCATCGATTCCGCAACCGTGGACATCCTTCCTCAAGTCC 483

Qy      972 CAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCA-----TC 1016
      | | | | | | | | | | | | | | | | | | | | | |
Db      484 CGCCTCAACTGCTCCATTCCC GGCGATTATCCTTTCTACTTTAATGAAATCCAATCTGCC 543

Qy     1017 CGCCACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTC 1076
      | | | | | | | | | | | | | | | | | | | | | |
Db      544 AGCAATCTGGTGGAGGGACAGTATGGCTCGATGAGCTCGAAACTGATCTACGGAGTCTTC 603

Qy     1077 ACCTCCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTG 1136
      | | | | | | | | | | | | | | | | | | | | | |
Db      604 AACACGCCGAGCAA-----CTCAATTCCCGGCTCAGCGGTTTGTGCCTTTGCCCTCCAG 657

Qy     1137 GACATTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTG- 1195
      | | | | | | | | | | | | | | | | | | | | | |
Db      658 GACATTGCCGATACGTTTGAGGGTCAGTTCAAGGAGCAGACTGGCATCAACTCCAAGTGG 717

Qy     1196 -----GACTACTTATAGGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTG 1247
      | | | | | | | | | | | | | | | | | | | | | |
Db      718 CTGCCAGTGAACAACGCCAAGGTACCCGATCCTCGACCGGTTCTGTGCACAACGATTTCG 777

Qy     1248 GGCCCCCTCCTCTGATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAA 1307
      | | | | | | | | | | | | | | | | | | | | | |
Db      778 AGAGCGCTTCCGGATCCCACACTGAACTTCATCAAAACACATTGCTAATGGACGAGAAT 837

Qy     1308 GTGGTGG 1314
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Job time : 222 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 13, 2004, 09:44:40 ; Search time 1271 Seconds  
(without alignments)  
11221.942 Million cell updates/sec

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Perfect score: 3143  
Sequence: 1 gggctgaggcactgagagac.....aaatataaggcttaaaaaaa 3143

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*  
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11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq2:\*  
14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*  
17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

%  
Result Query

No.	Score	Match	Length	DB	ID	Description
1	3143	100.0	3143	10	US-09-946-374-276	Sequence 276, App
2	3143	100.0	3143	12	US-10-015-395A-276	Sequence 276, App
3	3143	100.0	3143	13	US-10-006-485A-276	Sequence 276, App
4	3143	100.0	3143	13	US-10-013-907A-276	Sequence 276, App
5	3143	100.0	3143	13	US-10-015-499A-276	Sequence 276, App
6	3143	100.0	3143	13	US-10-226-254A-276	Sequence 276, App
7	3143	100.0	3143	15	US-10-006-856A-276	Sequence 276, App
8	3143	100.0	3143	15	US-10-006-818A-276	Sequence 276, App
9	3143	100.0	3143	15	US-10-015-393A-276	Sequence 276, App
10	3143	100.0	3143	15	US-10-015-869A-276	Sequence 276, App
11	3143	100.0	3143	15	US-10-012-121A-276	Sequence 276, App
12	3143	100.0	3143	15	US-10-006-116A-276	Sequence 276, App
13	3143	100.0	3143	15	US-10-006-117A-276	Sequence 276, App
14	3143	100.0	3143	15	US-10-017-527A-276	Sequence 276, App
15	3143	100.0	3143	15	US-10-013-913A-276	Sequence 276, App
16	3143	100.0	3143	15	US-10-007-194A-276	Sequence 276, App
17	3143	100.0	3143	15	US-10-013-430A-276	Sequence 276, App
18	3143	100.0	3143	15	US-10-011-671A-276	Sequence 276, App
19	3143	100.0	3143	15	US-10-012-755A-276	Sequence 276, App
20	3143	100.0	3143	15	US-10-015-386A-276	Sequence 276, App
21	3143	100.0	3143	15	US-10-011-692A-276	Sequence 276, App
22	3143	100.0	3143	15	US-10-006-768A-276	Sequence 276, App
23	3143	100.0	3143	15	US-10-017-610A-276	Sequence 276, App
24	3143	100.0	3143	15	US-10-006-063A-276	Sequence 276, App
25	3143	100.0	3143	15	US-10-020-063A-276	Sequence 276, App
26	3143	100.0	3143	15	US-10-015-391A-276	Sequence 276, App
27	3143	100.0	3143	15	US-10-017-407A-276	Sequence 276, App
28	3143	100.0	3143	15	US-10-011-833A-276	Sequence 276, App
29	3143	100.0	3143	15	US-10-006-041A-276	Sequence 276, App
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33	3143	100.0	3143	15	US-10-006-172A-276	Sequence 276, App
34	3143	100.0	3143	15	US-10-017-253A-276	Sequence 276, App
35	3143	100.0	3143	15	US-10-015-392A-276	Sequence 276, App
36	3143	100.0	3143	15	US-10-017-306A-276	Sequence 276, App
37	3143	100.0	3143	15	US-10-017-867A-276	Sequence 276, App
38	3143	100.0	3143	15	US-10-012-064A-276	Sequence 276, App
39	3143	100.0	3143	15	US-10-013-909A-276	Sequence 276, App
40	3143	100.0	3143	15	US-10-015-671A-276	Sequence 276, App
41	3143	100.0	3143	15	US-10-015-610A-276	Sequence 276, App
42	3143	100.0	3143	15	US-10-012-137A-276	Sequence 276, App
43	3143	100.0	3143	15	US-10-012-752A-276	Sequence 276, App
44	3143	100.0	3143	15	US-10-012-754A-276	Sequence 276, App
45	3143	100.0	3143	15	US-10-013-910A-276	Sequence 276, App

#### ALIGNMENTS

RESULT 1

US-09-946-374-276

; Sequence 276, Application US/09946374

; Publication No. US20030073129A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2830P1C1  
; CURRENT APPLICATION NUMBER: US/09/946,374  
; CURRENT FILING DATE: 2001-09-04  
; PRIOR APPLICATION NUMBER: 60/098716  
; PRIOR FILING DATE: 1998-09-01  
; PRIOR APPLICATION NUMBER: 60/098723  
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; PRIOR FILING DATE: 1998-10-06  
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Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG	660
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Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
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Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAAGTGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAAGTGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260



Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
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Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTCGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTCGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100

Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
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Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTGAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTGAGGGCTGTGAGACCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000

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Db      2941  ||||| CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000
Qy      3001  CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
Db      3001  ||||| CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
Qy      3061  TCCCTTTTCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Db      3061  ||||| TCCCTTTTCTTTGTTTTGGGATTCAGAAAAGCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Qy      3121  TAAAAATATAAGGCTTAAAAAAA 3143
Db      3121  ||||| TAAAAATATAAGGCTTAAAAAAA 3143

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RESULT 2

US-10-015-395A-276

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; Sequence 276, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan l.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C57
; CURRENT APPLICATION NUMBER: US/10/015,395A
; CURRENT FILING DATE: 2001-12-12
; Prior application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-395A-276

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Query Match          100.0%; Score 3143; DB 12; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
Qy      61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

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Db	61	 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAC TGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAAC TGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960

Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Db	1081	CCCAAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800

Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCCCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640

Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCATATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCATAAAAAACCTGCCTGTCCCAGGACCCATATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTAGAAAACTGCTTGTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
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### RESULT 3

US-10-006-485A-276

; Sequence 276, Application US/10006485A

; Publication No. US20030064062A1

#### ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2830P1C9  
; CURRENT APPLICATION NUMBER: US/10/006,485A  
; CURRENT FILING DATE: 2001-12-06  
; PRIOR APPLICATION NUMBER: 60/098716  
; PRIOR FILING DATE: 1998-09-01  
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; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28
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Query Match          100.0%; Score 3143; DB 13; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
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Db     61 ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180
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Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
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Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
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Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
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Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
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Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
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Db    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
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Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGTTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG 600
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Db    541 CCTTCAGCCCTGCTTGTTACCTTCATTGAACTTCAAGATTCTTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG 660
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Db	601	 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	 TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	 CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500

Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCGAGCCAACCTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340

Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 4

US-10-013-907A-276

; Sequence 276, Application US/10013907A

; Publication No. US20030064925A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C34

; CURRENT APPLICATION NUMBER: US/10/013,907A

; CURRENT FILING DATE: 2001-12-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-013-907A-276

Query Match 100.0%; Score 3143; DB 13; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300

Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200



Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040

Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880

Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

# RESULT 5

US-10-015-499A-276

; Sequence 276, Application US/10015499A

; Publication No. US20030065142A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830PlC42

; CURRENT APPLICATION NUMBER: US/10/015,499A

; CURRENT FILING DATE: 2001-12-11

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-499A-276

Query Match 100.0%; Score 3143; DB 13; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840

Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGTCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740

Db	1681	 TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC'TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAAC'TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCC'TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACCTGCC'TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580

Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTTCAAGAGACCCATAAAAAACCTGCCGTGTCCAGGACCCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTTCAAGAGACCCATAAAAAACCTGCCGTGTCCAGGACCCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCCTTGTGTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCCTTGTGTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

# RESULT 6

US-10-226-254A-276

; Sequence 276, Application US/10226254A

; Publication No. US20030224478A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

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; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C68
; CURRENT APPLICATION NUMBER: US/10/226,254A
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098821
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/098843
; PRIOR FILING DATE: 1998-09-02
; PRIOR APPLICATION NUMBER: 60/099536
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-226-254A-276

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Query Match          100.0%; Score 3143; DB 13; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG 240

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Qy	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACCTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080

Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCGCCAGGCAGTTGCTCAGTGGGGCCCCCTCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCGCCAGGCAGTTGCTCAGTGGGGCCCCCTCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCAGTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980

Db	1921		ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGTCTCTACCACTGCTGGG	1980
Qy	1981		CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981		CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041		CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041		CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101		CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101		CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161		CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161		CTGTCACCTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221		CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAAGGCTGTGAGACCTGCGCCCTGGGG	2280
Db	2221		CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTCAAGGCTGTGAGACCTGCGCCCTGGGG	2280
Qy	2281		AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281		AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341		CCAGTGATGTGGACGCTGACAACAACCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341		CCAGTGATGTGGACGCTGACAACAACCTAGGCACCTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401		CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401		CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461		TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461		TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521		TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521		TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581		TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581		TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641		TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCTC	2700
Db	2641		TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCTC	2700
Qy	2701		CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701		CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761		TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAACTCCACTCTG	2820

Db 2761 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG 2820  
 Qy 2821 AAGCTGCCGCTTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC 2880  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 2821 AAGCTGCCGCTTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC 2880  
 Qy 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 2881 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA 2940  
 Qy 2941 CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG 3000  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 2941 CCACCTTCTTCTTGTCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG 3000  
 Qy 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060  
 Qy 3061 TCCCTTTTCCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120  
 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  
 Db 3061 TCCCTTTTCCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120  
 Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143  
 ||||||||||||||||  
 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 7

US-10-006-856A-276

; Sequence 276, Application US/10006856A

; Publication No. US20030044841A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C14

; CURRENT APPLICATION NUMBER: US/10/006,856A

; CURRENT FILING DATE: 2002-05-10

; NUMBER OF SEQ ID NOS: 477

; Prior Application removed - See File Wrapper or Palm

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-006-856A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCTCTTCCAACGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780

Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCAACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCAACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620

Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520

Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	 TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	 TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	 CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	 TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	 AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	 TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	 CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTCTGAGAGACTGTTTATTTTTTAT	3120
Db	3061	 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAAGTCTTGTCTGAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	 TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 8

US-10-006-818A-276

; Sequence 276, Application US/10006818A

; Publication No. US20030054406A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.



```

; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C4
; CURRENT APPLICATION NUMBER: US/10/006,818A
; CURRENT FILING DATE: 2001-12-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
;   LENGTH: 3143
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-006-818A-276

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Db	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACCTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATAACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATAACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320

Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCTGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160

Qy	2161	CTGTCAC	TGCTCTTTGCCTTAGTGCTTT	CAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCAC	TGCTCTTTGCCTTAGTGCTTT	CAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT	CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280	
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTT	CAGGGCTGTGAGACCCTGCGCCCTGGGG	2280	
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340		
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340		
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCC	TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400	
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCC	TAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400	
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460		
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460		
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520		
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520		
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580		
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580		
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640		
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640		
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700		
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700		
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760		
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760		
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820		
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820		
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880		
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCAGGGTCATGCAGGGATCTGCTCCC	2880		
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940		
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940		
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000		
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000		
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCCTAGCTGACCCCTTCACCTCTCCCCC	3060		

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Db          3001  |||||CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060
Qy          3061  TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Db          3061  |||||TCCCTTTTCCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT 3120
Qy          3121  TAAAAATATAAGGCTTAAAAAAA 3143
Db          3121  |||||TAAAAATATAAGGCTTAAAAAAA 3143

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RESULT 9

US-10-015-393A-276

; Sequence 276, Application US/10015393A

; Publication No. US20030069179A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C46

; CURRENT APPLICATION NUMBER: US/10/015,393A

; CURRENT FILING DATE: 2002-06-10

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-015-393A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
Db          1  GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
Qy          61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
Db          61  ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
Qy          121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACCTGCTTCAGCTGCTGC 180

```

Db	121	 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAC TGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Db	181	 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGGCACCTTCG	540
Db	481	 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Db	601	 AGGACAAGGTCATGGAGGGAAAAAGGCCAAAGCCCCCTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCGAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020

Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860

Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAAC TGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700



Qy	2701	CAGAAACACAGTGTTC	CAAGAGACCCTAAAA	ACCTGCCTGTCCCAGG	ACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTC	CAAGAGACCCTAAAA	ACCTGCCTGTCCCAGG	ACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCT	AAACAATCATATGCT	AACATGCCACTCCTGG	AAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCT	AAACAATCATATGCT	AACATGCCACTCCTGG	AAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGG	ACACCAACACTCCCT	TCTCCCAGGGTCATGC	AGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGG	ACACCAACACTCCCT	TCTCCCAGGGTCATGC	AGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACC	AGTCGTGCACCGCTG	ACTCCCAGGAAGTCTT	TCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACC	AGTCGTGCACCGCTG	ACTCCCAGGAAGTCTT	TCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTG	CTTCAGTTGGGGCAG	ACTCTGATCCCTTCTG	CCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTG	CTTCAGTTGGGGCAG	ACTCTGATCCCTTCTG	CCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAG	CCTTCTTCACTCCTT	TACCCTAGCTGACCC	CTTACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAG	CCTTCTTCACTCCTT	TACCCTAGCTGACCC	CTTACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCCTTTG	TTTTGGGATT	CAGAAAAC	TGCTTGT	CAGAGACTGTTTATTTTTTAT 3120
Db	3061	TCCCTTTTCCCTTTG	TTTTGGGATT	CAGAAAAC	TGCTTGT	CAGAGACTGTTTATTTTTTAT 3120
Qy	3121	TAAAAATATAAGGCT	TAAAAAAA			3143
Db	3121	TAAAAATATAAGGCT	TAAAAAAA			3143

RESULT 10

US-10-015-869A-276

; Sequence 276, Application US/10015869A

; Publication No. US20030073130A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C45

; CURRENT APPLICATION NUMBER: US/10/015,869A

; CURRENT FILING DATE: 2002-06-25

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 477  
; SEQ ID NO 276  
; LENGTH: 3143  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-015-869A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGAAACGCAGCGGC	60
Db	1	GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGAAACGCAGCGGC	60
Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720

Db	661	 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTTGTAGGCTTCT	1560

Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTCGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400

Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

RESULT 11

US-10-012-121A-276

; Sequence 276, Application US/10012121A

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; Publication No. US20030073810A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan l.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C20
; CURRENT APPLICATION NUMBER: US/10/012,121A
; CURRENT FILING DATE: 2001-12-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-121A-276

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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

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Qy	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Db	421	GTGACAGAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTC	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260

Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGGAAGAGATTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCCTTGA	2100



Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940

Qy 2941 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000  
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 Db 2941 CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG 3000  
 Qy 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060  
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 Db 3001 CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC 3060  
 Qy 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTTAT 3120  
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 Db 3061 TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTTAT 3120  
 Qy 3121 TAAAAATATAAGGCTTAAAAAAA 3143  
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 Db 3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 12

US-10-006-116A-276

; Sequence 276, Application US/10006116A

; Publication No. US2003008262A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C15

; CURRENT APPLICATION NUMBER: US/10/006,116A

; CURRENT FILING DATE: 2001-12-16

; PRIOR APPLICATION NUMBER: 60/098716

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098723

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098749

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; PRIOR APPLICATION NUMBER: 60/098750

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098803

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/098821

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; PRIOR APPLICATION NUMBER: 60/098843

; PRIOR FILING DATE: 1998-09-02

; PRIOR APPLICATION NUMBER: 60/099536

; PRIOR FILING DATE: 1998-09-09  
; PRIOR APPLICATION NUMBER: 60/099596  
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; PRIOR FILING DATE: 1998-10-20
; PRIOR APPLICATION NUMBER: 60/105104
; PRIOR FILING DATE: 1998-10-21
; PRIOR APPLICATION NUMBER: 60/105169
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105266
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: 60/105693
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105694
; PRIOR FILING DATE: 1998-10-26
; PRIOR APPLICATION NUMBER: 60/105807
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28
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Query Match          100.0%;  Score 3143;  DB 15;  Length 3143;
Best Local Similarity 100.0%;  Pred. No. 0;
Matches 3143;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
          |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
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Qy	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Db	61	ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC	120
Qy	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACGCTTCAGCTGCTGC	180
Db	121	TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAACGCTTCAGCTGCTGC	180
Qy	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Db	181	TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG	240
Qy	241	CAGGGGATGAACGTAGGGCAGTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Db	241	CAGGGGATGAACGTAGGGCAGTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301	CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361	CCTTGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421	GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481	ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900

Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Db	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTGCAACCTGCAGCTGGCCCCACCCAGGGTGCAGTGTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800

Db	1741	 CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCGCCGAAATCATTA	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	 AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	 TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGG	1980
Db	1921	 ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGTCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	 CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	 CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Db	2101	 CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	 CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	 CATTGAGAGCACTCCGGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	 AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	 CCAGTGATGTGGACGCTGACAACAACTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Db	2401	 CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	 TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	 TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640



Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

# RESULT 13

US-10-006-117A-276

; Sequence 276, Application US/10006117A

; Publication No. US20030082627A1

## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan I.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

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; APPLICANT: Paoni, Nicholas F.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C13
; CURRENT APPLICATION NUMBER: US/10/006,117A
; CURRENT FILING DATE: 2002-03-19
; Prior Application removed - See File Wrapper or Palm
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 477
; SEQ ID NO 276
; LENGTH: 3143
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-006-117A-276
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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60
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Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG 600
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db	541	CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCCTACCTGTTGCCCATCTCGG	600
Qy	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601	AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661	CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721	CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Db	781	GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCTACCGCC	1020
Db	961	TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTCTACCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGGCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCAACACAGGGTCGCTCCACAAGG	1440

Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTTCAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCACTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280

Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCATATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTTCAGAAAACTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143

Db                    |||||  
3121 TAAAAATATAAGGCTTAAAAAAA 3143

RESULT 14

US-10-017-527A-276

; Sequence 276, Application US/10017527A

; Publication No. US20030082628A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan l.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C63

; CURRENT APPLICATION NUMBER: US/10/017,527A

; CURRENT FILING DATE: 2001-12-13

; PRIOR APPLICATION NUMBER: 60/098716

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098723

; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098749

; PRIOR FILING DATE: 1998-09-01

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; PRIOR FILING DATE: 1998-09-01

; PRIOR APPLICATION NUMBER: 60/098803

; PRIOR FILING DATE: 1998-09-02

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; PRIOR APPLICATION NUMBER: 60/098843

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; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: 60/099754

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; PRIOR FILING DATE: 1998-10-06
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; PRIOR APPLICATION NUMBER: 60/105807
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; PRIOR APPLICATION NUMBER: 60/105881
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/105882
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: 60/106023
; PRIOR FILING DATE: 1998-10-28

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Query Match          100.0%; Score 3143; DB 15; Length 3143;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGGAAACGCAGCGGC 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGGAGGGGCCCATGCCCAGGGTCAGATACTATG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGGAGGGGCCCATGCCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

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Db	241		CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA	300
Qy	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Db	301		CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG	360
Qy	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Db	361		CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA	420
Qy	421		GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Db	421		GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA	480
Qy	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Db	481		ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG	540
Qy	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Db	541		CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCCTACCTGTTGCCCATCTCGG	600
Qy	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Db	601		AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCCTTTGACCCCGCTCACAAGCATACGG	660
Qy	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Db	661		CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCCTGGGCAGTGAGC	720
Qy	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Db	721		CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCCTCCGCT	780
Qy	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTTCGTCTACTTCT	840
Db	781		GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTTCGTCTACTTCT	840
Qy	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841		TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901		CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961		TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Db	961		TCCTGAAGGCCCAGCTGCTCTGCACCCAGCCGGGGCAGCTGCCCTTCAACGTATCCGCC	1020
Qy	1021		ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021		ACGCGGTCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081		CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTTGGACA	1140

Db	1081	CCCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Db	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGGTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Db	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Db	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAGAGATTGAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Db	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCAGTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGCTATGAGAGCTGTGTGGACT	1620
Db	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Db	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980

Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGGTCCCGTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCCAGCAGTCCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACCTGTCTCTTTGCCTTAGTGCTTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCAGTGTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820

Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTCTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTCTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Db	2941	CCACCTTTCTTCTTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCCC	3060
Qy	3061	TCCCTTTTCTTTGTTTTGGGATTCAGAAAACCTGCTTGTTCAGAGACTGTTTATTTTTTAT	3120
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Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
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RESULT 15

US-10-013-913A-276

; Sequence 276, Application US/10013913A

; Publication No. US20030083462A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan I.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2830P1C40

; CURRENT APPLICATION NUMBER: US/10/013,913A

; CURRENT FILING DATE: 2002-07-15

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 477

; SEQ ID NO 276

; LENGTH: 3143

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-013-913A-276

Query Match 100.0%; Score 3143; DB 15; Length 3143;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3143; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60
        |||
Db      1 GGGCTGAGGCACTGAGAGACCGGAAAGCCTGGCATTCCAGAGGGAGGGAAACGCAGCGGC 60

Qy     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120
        |||
Db     61 ATCCCCAGGCTCCAGAGCTCCCTGGTGACAGTCTGTGGCTGAGCATGGCCCTCCCAGCCC 120

Qy    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180
        |||
Db    121 TGGGCCTGGACCCCTGGAGCCTCCTGGGCCTTTTCCTCTTCCAAGTCTTCCAGCTGCTGC 180

Qy    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240
        |||
Db    181 TGCCGACGACGACCGCGGGGGGAGGCGGGCAGGGGCCCATGCCAGGGTCAGATACTATG 240

Qy    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300
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Db    241 CAGGGGATGAACGTAGGGCACTTAGCTTCTTCCACCAGAAGGGCCTCCAGGATTTTGACA 300

Qy    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360
        |||
Db    301 CTCTGCTCCTGAGTGGTGATGGAAATACTCTCTACGTGGGGGCTCGAGAAGCCATTCTGG 360

Qy    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420
        |||
Db    361 CCTTGGATATCCAGGATCCAGGGGTCCCCAGGCTAAAGAACATGATACCGTGGCCAGCCA 420

Qy    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480
        |||
Db    421 GTGACAGAAAAAAGAGTGAATGTGCCTTTAAGAAGAAGAGCAATGAGACACAGTGTTTCA 480

Qy    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540
        |||
Db    481 ACTTCATCCGTGTCCTGGTTTCTTACAATGTCACCCATCTCTACACCTGCGGCACCTTCG 540

Qy    541 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600
        |||
Db    541 CCTTCAGCCCTGCTTGTACCTTCATTGAACTTCAAGATTCTACCTGTTGCCCATCTCGG 600

Qy    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG 660
        |||
Db    601 AGGACAAGGTCATGGAGGGAAAAGGCCAAAGCCCCTTTGACCCGCTCACAAGCATACGG 660

Qy    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720
        |||
Db    661 CTGTCTTGGTGGATGGGATGCTCTATTCTGGTACTATGAACAACCTTCTGGGCAGTGAGC 720

Qy    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780
        |||
Db    721 CCATCCTGATGCGCACACTGGGATCCCAGCCTGTCCTCAAGACCGACAACCTTCTCCGCT 780

Qy    781 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT 840
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Db	781	 GGCTGCATCATGACGCCTCCTTTGTGGCAGCCATCCCTTCGACCCAGGTCGTCTACTTCT	840
Qy	841	TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Db	841	 TCTTCGAGGAGACAGCCAGCGAGTTTGACTTCTTTGAGAGGCTCCACACATCGCGGGTGG	900
Qy	901	CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Db	901	 CTAGAGTCTGCAAGAATGACGTGGGCGGCGAAAAGCTGCTGCAGAAGAAGTGGACCACCT	960
Qy	961	TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGTGCCCTTCAACGTATCCGCC	1020
Db	961	 TCCTGAAGGCCAGCTGCTCTGCACCCAGCCGGGGCAGTGCCCTTCAACGTATCCGCC	1020
Qy	1021	ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Db	1021	 ACGCGGTCCTGCTCCCCGCCGATTCTCCACAGCTCCCCACATCTACGCAGTCTTCACCT	1080
Qy	1081	CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Db	1081	 CCAGTGGCAGGTTGGCGGGACCAGGAGCTCTGCGGTTTGTGCCTTCTCTCTCTTGGACA	1140
Qy	1141	TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Db	1141	 TTGAACGTGTCTTTAAGGGGAAATACAAAGAGTTGAACAAAGAACTTCACGCTGGACTA	1200
Qy	1201	CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Db	1201	 CTTATAGGGGCCCTGAGACCAACCCCCGGCCAGGCAGTTGCTCAGTGGGCCCCCTCCTCTG	1260
Qy	1261	ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGTTGGGGACGC	1320
Db	1261	 ATAAGGCCCTGACCTTCATGAAGGACCATTTCCTGATGGATGAGCAAGTGTTGGGGACGC	1320
Qy	1321	CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Db	1321	 CCCTGCTGGTGAAATCTGGCGTGGAGTATACACGGCTTGCACTGGAGACAGCCAGGGCC	1380
Qy	1381	TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Db	1381	 TTGATGGGCACAGCCATCTTGTCATGTACCTGGGAACCACCACAGGGTCGCTCCACAAGG	1440
Qy	1441	CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Db	1441	 CTGTGGTAAGTGGGGACAGCAGTGCTCATCTGGTGGAAGAGATTAGCTGTTCCCTGACC	1500
Qy	1501	CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Db	1501	 CTGAACCTGTTTCGCAACCTGCAGCTGGCCCCCACCAGGGTGCACTGTTTGTAGGCTTCT	1560
Qy	1561	CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Db	1561	 CAGGAGGTGTCTGGAGGGTGCCCCGAGCCAACTGTAGTGTCTATGAGAGCTGTGTGGACT	1620
Qy	1621	GTGTCCTTGCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680

Db	1621	GTGTCTTGCCCCGGGACCCCCACTGTGCCTGGGACCCTGAGTCCCGAACCTGTTGCCTCC	1680
Qy	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Db	1681	TGTCTGCCCCCAACCTGAACTCCTGGAAGCAGGACATGGAGCGGGGGAACCCAGAGTGGG	1740
Qy	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Db	1741	CATGTGCCAGTGGCCCCATGAGCAGGAGCCTTCGGCCTCAGAGCCGCCCGCAAATCATT	1800
Qy	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Db	1801	AAGAAGTCCTGGCTGTCCCCAACTCCATCCTGGAGCTCCCCTGCCCCACCTGTCAGCCT	1860
Qy	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Db	1861	TGGCCTCTTATTATTGGAGTCATGGCCCAGCAGCAGTCCCAGAAGCCTCTTCCACTGTCT	1920
Qy	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Db	1921	ACAATGGCTCCCTCTTGCTGATAGTGCAGGATGGAGTTGGGGGTCTCTACCAGTGCTGGG	1980
Qy	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Db	1981	CAACTGAGAATGGCTTTTCATACCCTGTGATCTCCTACTGGGTGGACAGCCAGGACCAGA	2040
Qy	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGTCCCCTTGA	2100
Db	2041	CCCTGGCCCTGGATCCTGAACTGGCAGGCATCCCCGGGAGCATGTGAAGTCCCCTTGA	2100
Qy	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Db	2101	CCAGGGTCAGTGGTGGGGCCGCCCTGGCTGCCAGCAGTCTACTGGCCCCACTTTGTCA	2160
Qy	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Db	2161	CTGTCACTGTCCTCTTTGCCTTAGTGCTTTCAGGAGCCCTCATCATCCTCGTGGCCTCCC	2220
Qy	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Db	2221	CATTGAGAGCACTCCGGGCTCGGGGCAAGGTTTCAGGGCTGTGAGACCCTGCGCCCTGGGG	2280
Qy	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Db	2281	AGAAGGCCCCGTTAAGCAGAGAGCAACACCTCCAGTCTCCCAAGGAATGCAGGACCTCTG	2340
Qy	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Db	2341	CCAGTGATGTGGACGCTGACAACAACCTGCCTAGGCACTGAGGTAGCTTAAACTCTAGGCA	2400
Qy	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Db	2401	CAGGCCGGGGCTGCGGTGCAGGCACCTGGCCATGCTGGCTGGGCGGCCCAAGCACAGCCC	2460
Qy	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520
Db	2461	TGACTAGGATGACAGCAGCACAAAAGACCACCTTTCTCCCCTGAGAGGAGCTTCTGCTAC	2520



Qy	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Db	2521	TCTGCATCACTGATGACACTCAGCAGGGTGATGCACAGCAGTCTGCCTCCCCTATGGGAC	2580
Qy	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Db	2581	TCCCTTCTACCAAGCACATGAGCTCTCTAACAGGGTGGGGGCTACCCCCAGACCTGCTCC	2640
Qy	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Db	2641	TACACTGATATTGAAGAACCTGGAGAGGATCCTTCAGTTCTGGCCATTCCAGGGACCCCTC	2700
Qy	2701	CAGAAACACAGTGTTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Db	2701	CAGAAACACAGTGTTTTCAAGAGACCCTAAAAAACCTGCCTGTCCCAGGACCCTATGGTAA	2760
Qy	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Db	2761	TGAACACCAAACATCTAAACAATCATATGCTAACATGCCACTCCTGGAAACTCCACTCTG	2820
Qy	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Db	2821	AAGCTGCCGCTTTGGACACCAACACTCCCTTCTCCCAGGGTCATGCAGGGATCTGCTCCC	2880
Qy	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Db	2881	TCCTGCTTCCCTTACCAGTCGTGCACCGCTGACTCCCAGGAAGTCTTTCCTGAAGTCTGA	2940
Qy	2941	CCACCTTCTTCTTCTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Db	2941	CCACCTTCTTCTTCTGCTTCAGTTGGGGCAGACTCTGATCCCTTCTGCCCTGGCAGAAATGG	3000
Qy	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Db	3001	CAGGGGTAATCTGAGCCTTCTTCACTCCTTTACCCTAGCTGACCCCTTCACCTCTCCCC	3060
Qy	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Db	3061	TCCCTTTTCCTTTGTTTTGGGATTCAGAAAACCTGCTTGTCAGAGACTGTTTATTTTTTAT	3120
Qy	3121	TAAAAATATAAGGCTTAAAAAAA	3143
Db	3121	TAAAAATATAAGGCTTAAAAAAA	3143

Search completed: May 13, 2004, 22:44:40  
Job time : 1283 secs